IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Docket No. 05-0601-CON0920)

In the Application of: Sonos, Inc.	)	Examiner: TBD
Application No.: TBD	)	Group Art Unit: TBD
Filed: September 11, 2020	)	Confirmation No. TBD
Title: Playback Device Connection	)	

PRELIMINARY AMENDMENT

Prior to examination of the above-referenced patent application, Applicant submits the following amendments and remarks.

Specification Amendments begin at page 2.

Remarks begin at page 3.

Applicant believes that no fees are required for the present submission. Applicant authorizes the office to charge any underpayment or credit any overpayment to Deposit Account No. 506632, and to treat any filing in this matter that requires an extension of time as incorporating a request for the extension.

GOOGLE EXHIBIT 1028
GOOGLE v. SONOS
IPR2025-01213

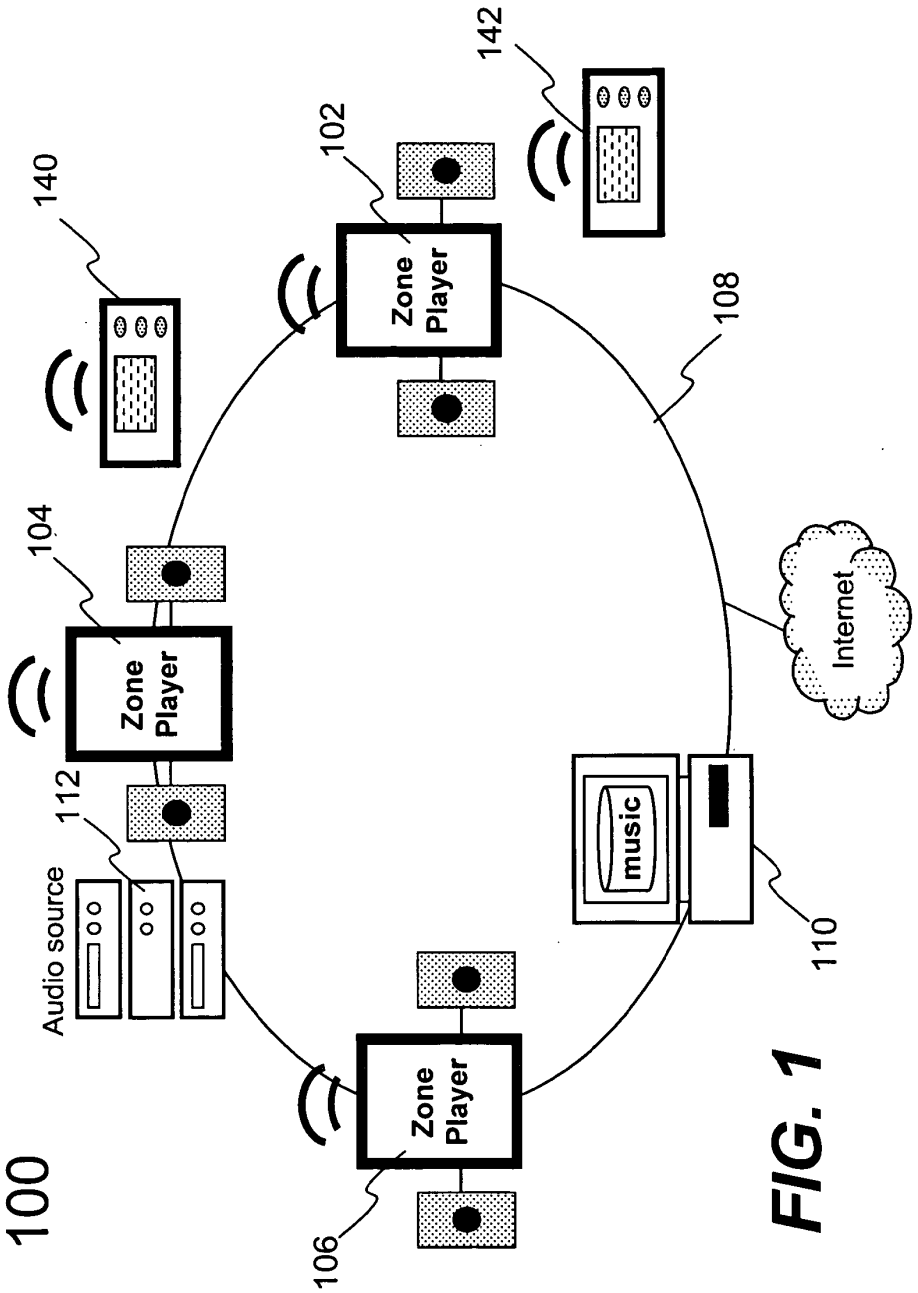

100
Zone Player
102
Zone Player
104
Zone Player
106
140
142
108
Internet
music
110
112
Audio source

FIG. 1

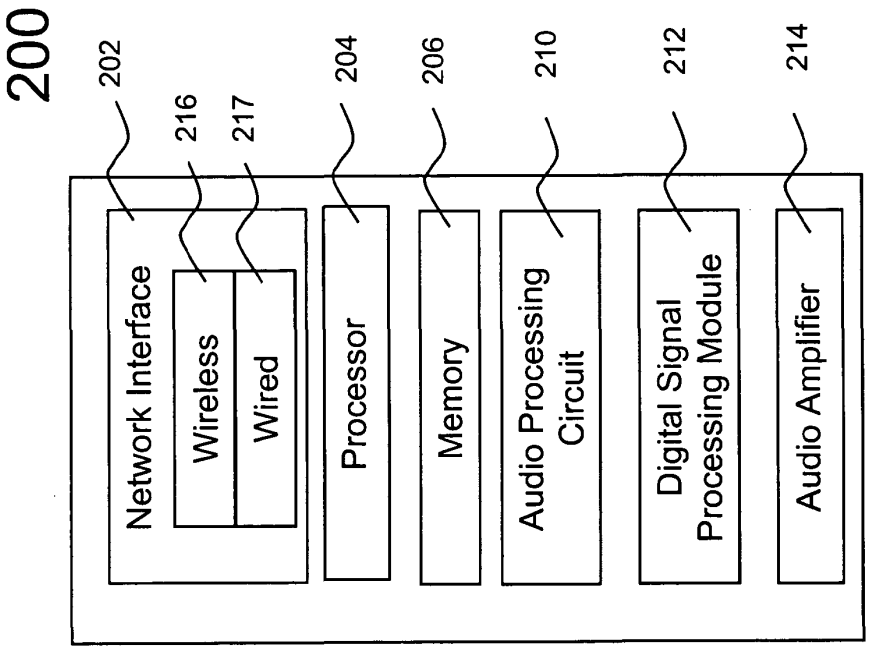

200
202
216
217
204
206
210
212
214
Network Interface
Wireless
Wired
Processor
Memory
Audio Processing Circuit
Digital Signal Processing Module
Audio Amplifier

FIG. 2A

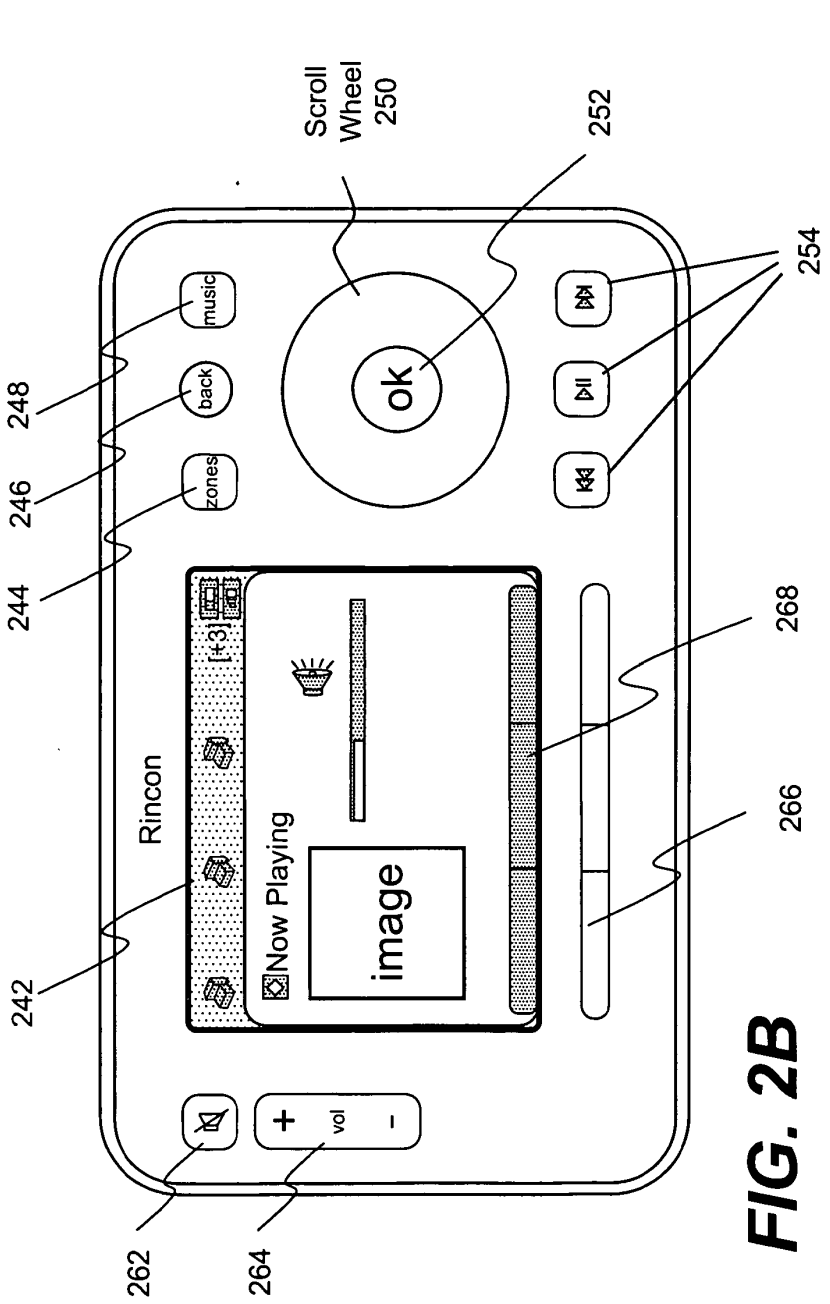

240
Scroll Wheel 250
252
254
248
246
244
242
268
266
262
264
music
back
zones
ok
[+3]
Rincon
Now Playing
image
vol
+
-

FIG. 2B

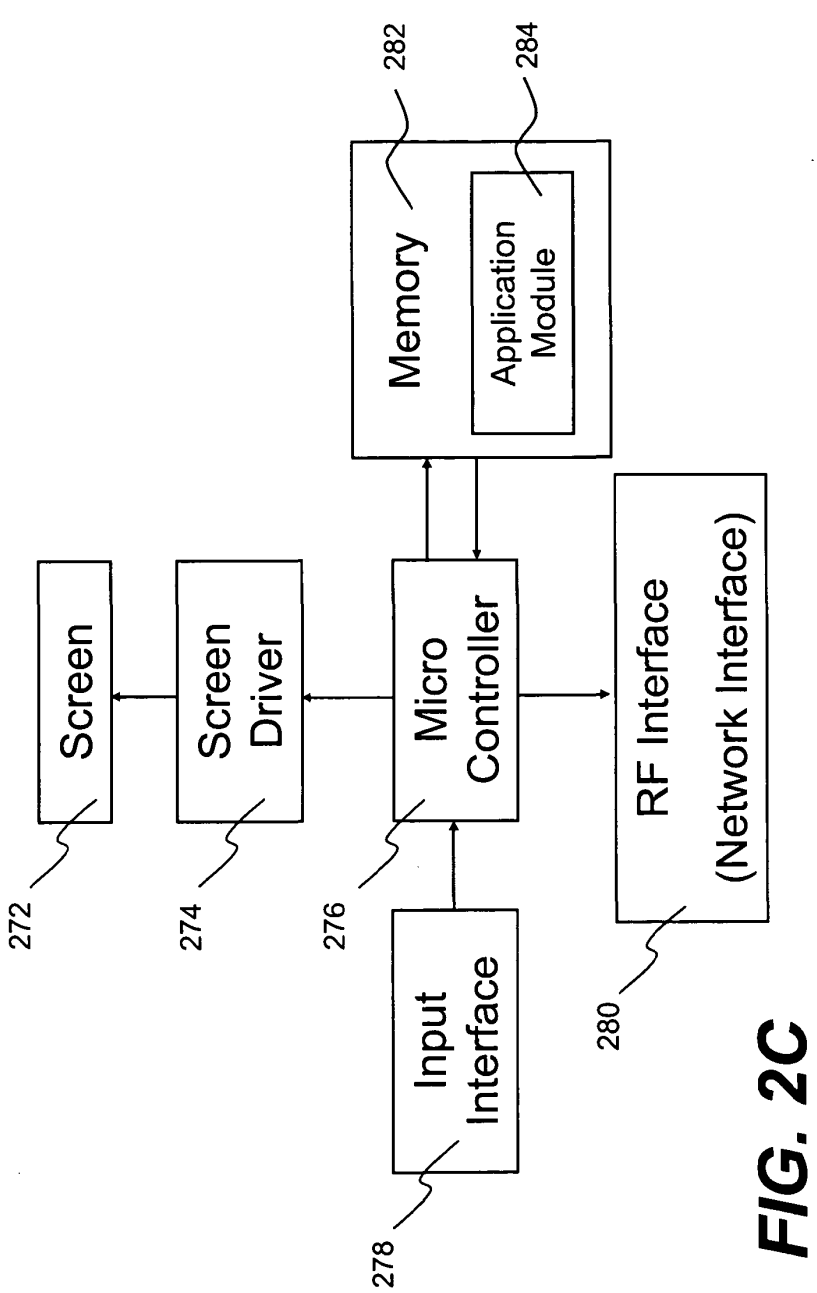

270
Memory
282
Application Module
284
Screen
Screen Driver
Micro Controller
RF Interface (Network Interface)
Input Interface
272
274
276
278
280

FIG. 2C

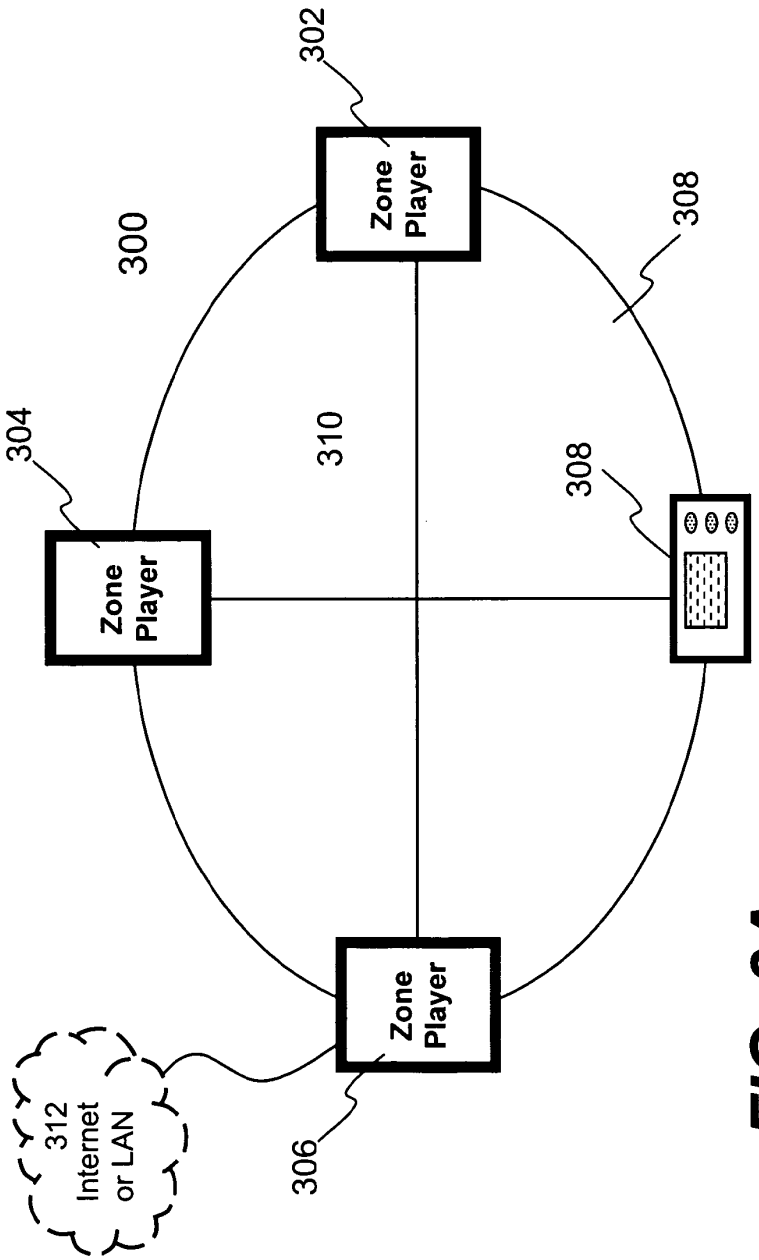

300
302
Zone Player
304
Zone Player
306
Zone Player
308
308
310
312
Internet or LAN

FIG. 3A

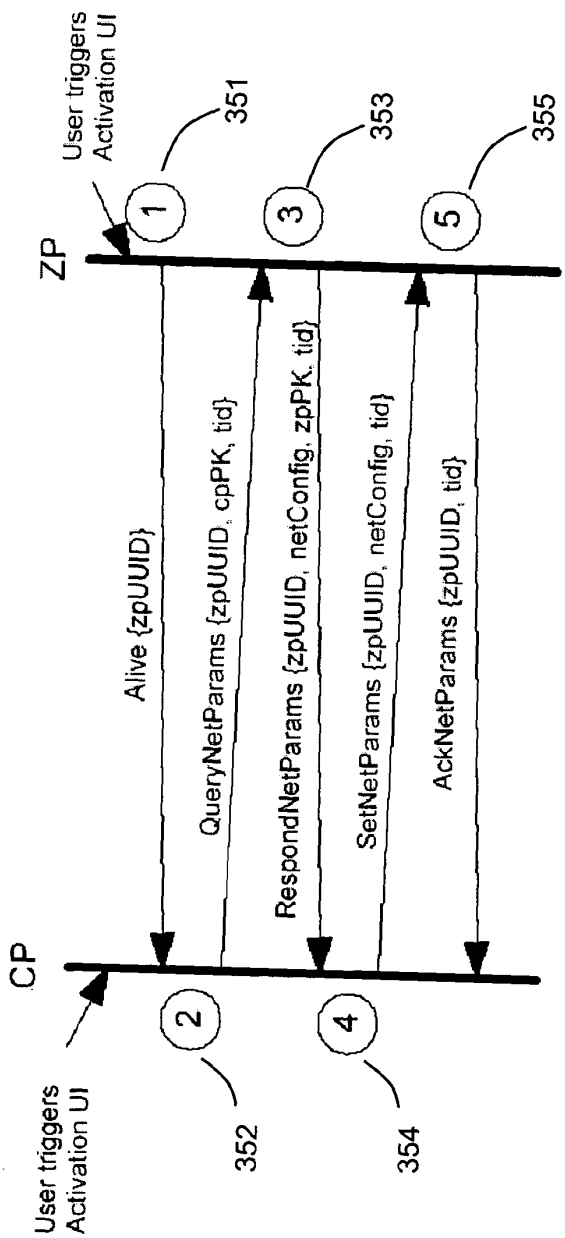

ZP
CP
User triggers Activation UI
User triggers Activation UI
1
2
3
4
5
351
352
353
354
355
Alive {zpUUID}
QueryNetParams {zpUUID, cpPK, tid}
RespondNetParams {zpUUID, netConfig, zpPK, tid}
SetNetParams {zpUUID, netConfig, tid}
AckNetParams {zpUUID, tid}

FIG. 3B

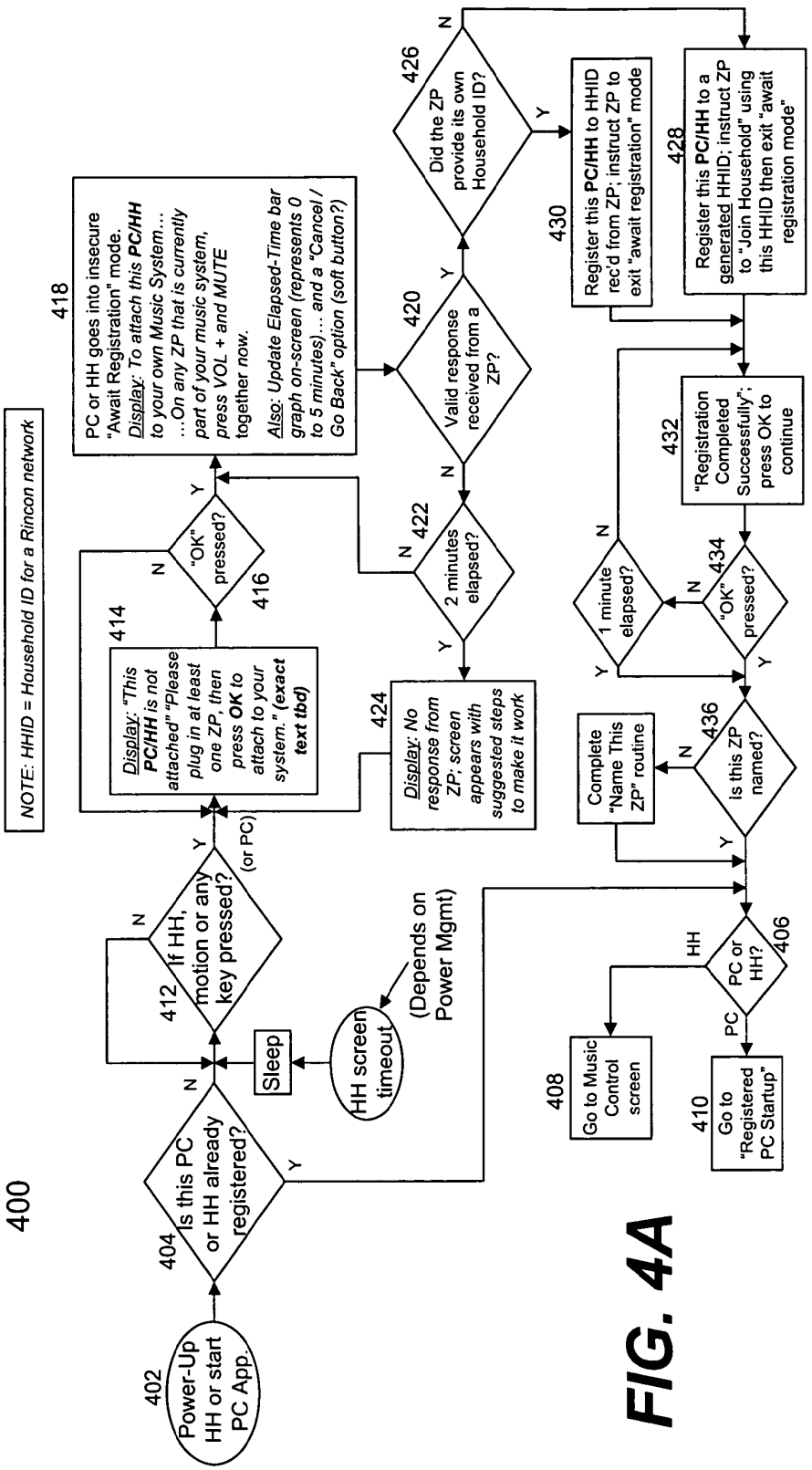

400
NOTE: HHID = Household ID for a Rincon network
402
Power-Up HH or start PC App.
404
Is this PC or HH already registered?
N
Y
Sleep
HH screen timeout
(Depends on Power Mgmt)
412
If HH, motion or any key pressed?
N
Y
(or PC)
414
Display: "This PC/HH is not attached" "Please plug in at least one ZP, then press OK to attach to your system." (exact text tbd)
416
"OK" pressed?
N
Y
418
PC or HH goes into insecure "Await Registration" mode.
Display: To attach this PC/HH to your own Music System... ...On any ZP that is currently part of your music system, press VOL + and MUTE together now.
Also: Update Elapsed-Time bar graph on-screen (represents 0 to 5 minutes)... and a "Cancel / Go Back" option (soft button?)
420
Valid response received from a ZP?
N
Y
422
2 minutes elapsed?
N
Y
424
Display: No response from ZP; screen appears with suggested steps to make it work
426
Did the ZP provide its own Household ID?
N
Y
428
Register this PC/HH to a generated HHID; instruct ZP to "Join Household" using this HHID then exit "await registration mode"
430
Register this PC/HH to HHID rec'd from ZP; instruct ZP to exit "await registration" mode
432
"Registration Completed Successfully"; press OK to continue
434
"OK" pressed?
N
Y
1 minute elapsed?
N
Y
436
Is this ZP named?
N
Y
Complete "Name This ZP" routine
406
PC or HH?
HH
PC
408
Go to Music Control screen
410
Go to "Registered PC Startup"

FIG. 4A

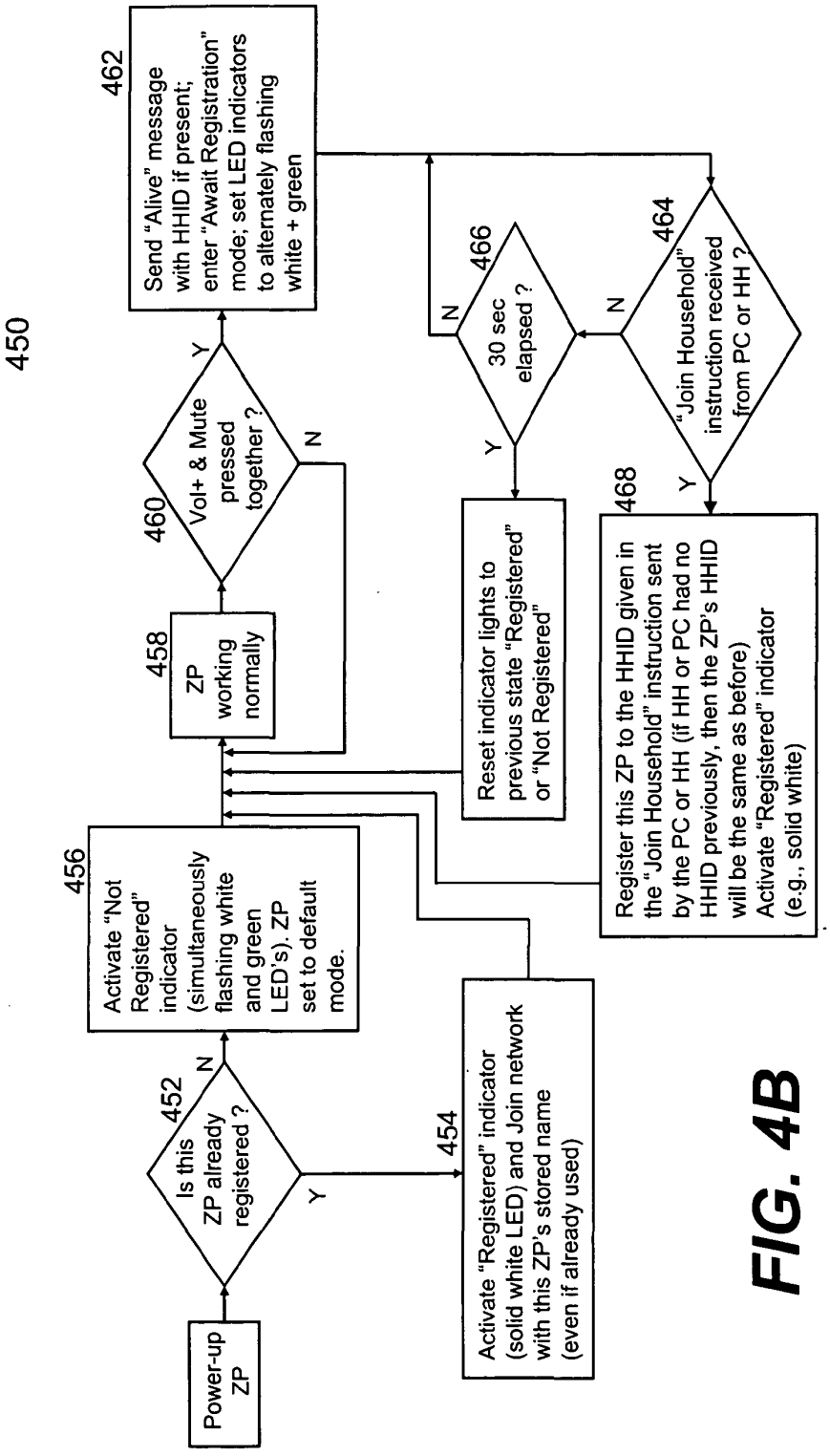
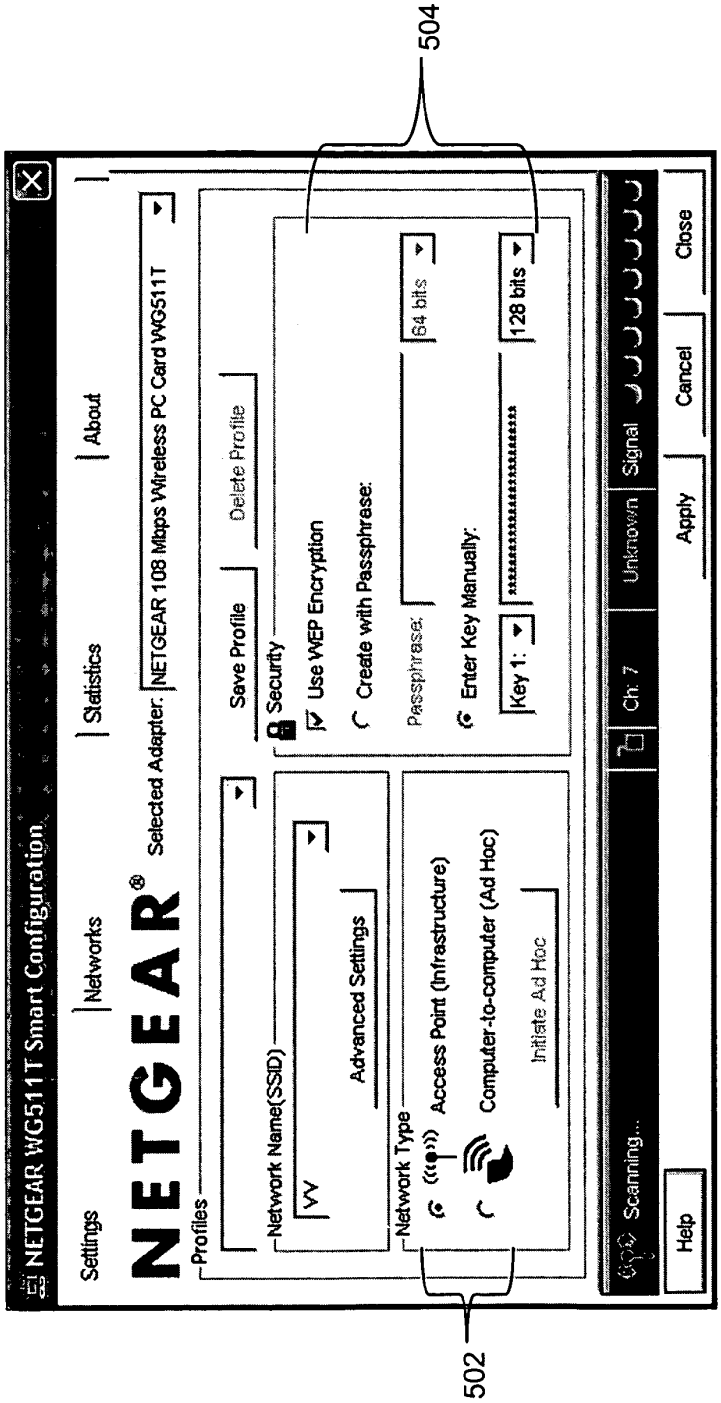

450
Power-up ZP
452
Is this ZP already registered ?
N
Y
456
Activate "Not Registered" indicator (simultaneously flashing white and green LED's). ZP set to default mode.
454
Activate "Registered" indicator (solid white LED) and Join network with this ZP's stored name (even if already used)
458
ZP working normally
460
Vol+ & Mute pressed together ?
Y
N
462
Send "Alive" message with HHID if present; enter "Await Registration" mode; set LED indicators to alternately flashing white + green
466
30 sec elapsed ?
N
Y
Reset indicator lights to previous state "Registered" or "Not Registered"
464
"Join Household" instruction received from PC or HH ?
N
Y
468
Register this ZP to the HHID given in the "Join Household" instruction sent by the PC or HH (if HH or PC had no HHID previously, then the ZP's HHID will be the same as before)
Activate "Registered" indicator (e.g., solid white)

FIG. 4B



(Prior Art) **FIG. 5**

Electronic Patent Application Fee Transmittal					
Application Number:					
Filing Date:					
Title of Invention:	Playback Device Connection				
First Named Inventor/Applicant Name:	Nicholas A.J. Millington				
Filer:	Brandon Jacob Kennedy/Noemy Salgado				
Attorney Docket Number:	05-0601-CON0920				
Filed as Large Entity					
Filing Fees for	**Track I Prioritized Examination - Nonprovisional Application under 35 USC 111(a)**				
Description		**Fee Code**	**Quantity**	**Amount**	**Sub-Total in USD($)**
Basic Filing:					
UTILITY APPLICATION FILING		1011	1	300	300
UTILITY SEARCH FEE		1111	1	660	660
UTILITY EXAMINATION FEE		1311	1	760	760
REQUEST FOR PRIORITIZED EXAMINATION		1817	1	4000	4000
Pages:					
Claims:					
CLAIMS IN EXCESS OF 20		1202	10	100	1000
Miscellaneous-Filing:					

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
PUBL. FEE- EARLY, VOLUNTARY, OR NORMAL	1504	1	0	0
PROCESSING FEE, EXCEPT PROV. APPLS.	1830	1	140	140
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**6860**

Electronic Acknowledgement Receipt	
EFS ID:	40533060
Application Number:	17018401
International Application Number:	
Confirmation Number:	6116
Title of Invention:	Playback Device Connection
First Named Inventor/Applicant Name:	Nicholas A.J. Millington
Customer Number:	135176
Filer:	Brandon Jacob Kennedy
Filer Authorized By:	
Attorney Docket Number:	05-0601-CON0920
Receipt Date:	11-SEP-2020
Filing Date:	
Time Stamp:	15:24:29
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$6860
RAM confirmation Number	E20209AF24497562
Deposit Account	506632
Authorized User	Brandon Kennedy
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.16 (National application filing, search, and examination fees) 37 CFR 1.17 (Patent application and reexamination processing fees)	

37 CFR 1.19 (Document supply fees)

37 CFR 1.20 (Post Issuance fees)

37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	TrackOne Request	05-0601-CON0920_TrackOneRequest.pdf	125096 0e85d8aa6056266e30a417846abf4dabf054fe37	no	2
Warnings:					
Information:					
2	Oath or Declaration filed	05-0601-CON0316B_Declaration.pdf	178147 542cd5fc880ec0550cad5c2f073c0e43792e9abd	no	2
Warnings:					
Information:					
3	Application Data Sheet	05-0601-CON0920_ADS.pdf	1256554 50472802a27759ce322ad399389696dc89783fd5	no	9
Warnings:					
Information:					
4	Authorization for Extension of Time all replies	05-0601-CON0920_General_Authorization.pdf	84382 187dc8461019095176fd2076406ca4e1642ab3e7	no	1
Warnings:					
Information:					
5	Power of Attorney	05-0601-CON0920_POA.pdf	256824 1930e7c5ab3c23997bd85a9c963e56fa2a7fc1e4	no	2
Warnings:					
Information:					
6		05-0601-CON0920_Specification.pdf	286163 262a76138c8df841f88bdbea3c1ddaafb83ed4f7	yes	46
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	

	Abstract		46	46	
	Claims		35	45	
	Specification		1	34	
Warnings:					
Information:					
7		05-0601-CON0920_Preliminary_Amendment.pdf	100927 2570c8a1ab752235ce3b7ec5c0883cc15678c2c8	yes	3
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Applicant Arguments/Remarks Made in an Amendment		3	3	
	Specification		2	2	
	Preliminary Amendment		1	1	
Warnings:					
Information:					
8	Drawings-only black and white line drawings	05-0601-CON0316A_Figures.pdf	179689 ac9aaf796356c42aa74ea55e7684bbd57839280e	no	9
Warnings:					
Information:					
9	Fee Worksheet (SB06)	fee-info.pdf	42035 344e0fecd6d26123d6e77505e8b120c5f528ae13	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	2509817		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Doc Code: TRACK1.REQ
Document Description: TrackOne Request

PTO/AIA/424 (04-14)

CERTIFICATION AND REQUEST FOR PRIORITIZED EXAMINATION UNDER 37 CFR 1.102(e) (Page 1 of 1)

First Named Inventor:	Nicholas A.J. Millington	Nonprovisional Application Number (if known):	
Title of Invention:	Playback Device Connection		

APPLICANT HEREBY CERTIFIES THE FOLLOWING AND REQUESTS PRIORITIZED EXAMINATION FOR THE ABOVE-IDENTIFIED APPLICATION.

1. The processing fee set forth in 37 CFR 1.17(i)(1) and the prioritized examination fee set forth in 37 CFR 1.17(c) have been filed with the request. The publication fee requirement is met because that fee, set forth in 37 CFR 1.18(d), is currently $0. The basic filing fee, search fee, and examination fee are filed with the request or have been already been paid. I understand that any required excess claims fees or application size fee must be paid for the application.

2. I understand that the application may not contain, or be amended to contain, more than four independent claims, more than thirty total claims, or any multiple dependent claims, and that any request for an extension of time will cause an outstanding Track I request to be dismissed.

3. The applicable box is checked below:

I. ☑ Original Application (Track One) - Prioritized Examination under § 1.102(e)(1)

i. (a) The application is an original nonprovisional utility application filed under 35 U.S.C. 111(a). This certification and request is being filed with the utility application via EFS-Web.

---OR---

(b) The application is an original nonprovisional plant application filed under 35 U.S.C. 111(a). This certification and request is being filed with the plant application in paper.

ii. An executed inventor's oath or declaration under 37 CFR 1.63 or 37 CFR 1.64 for each inventor, **or** the application data sheet meeting the conditions specified in 37 CFR 1.53(f)(3)(i) is filed with the application.

II. ☐ Request for Continued Examination - Prioritized Examination under § 1.102(e)(2)

i. A request for continued examination has been filed with, or prior to, this form.
ii. If the application is a utility application, this certification and request is being filed via EFS-Web.
iii. The application is an original nonprovisional utility application filed under 35 U.S.C. 111(a), or is a national stage entry under 35 U.S.C. 371.
iv. This certification and request is being filed prior to the mailing of a first Office action responsive to the request for continued examination.
v. No prior request for continued examination has been granted prioritized examination status under 37 CFR 1.102(e)(2).

Signature /Brandon J. Kennedy/	Date 2020-09-11
Name (Print/Typed) Brandon J. Kennedy	Practitioner Registration Number 67894

Note: *This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. Submit multiple forms if more than one signature is required.**

☐ *Total of _____ forms are submitted.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

DocuSign Envelope ID: A610F925-2D4D-4AB2-BC59-C0D4682CCC60

PTO/AIA/01 (06-12)
Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	Playback Device Connection

As the below named inventor, I hereby declare that:

This declaration is directed to:

☐ The attached application, or

☒ United States application or PCT international application number 15/091,113

filed on 05-APR-2016.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Nicholas A.J. Millington

Date (Optional): 2016-07-28

Signature: DocuSigned by: Nicholas A.J. Millington D19DFCAD2158435... /Nicholas A.J. Millington/

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

DocuSign Envelope ID: A610F925-2D4D-4AB2-BC59-C0D4682CCC60

PTO/AIA/01 (06-12)
Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	Playback Device Connection

As the below named inventor, I hereby declare that:

This declaration is directed to:

☐ The attached application, or

☒ United States application or PCT international application number 15/091,113

filed on 05-APR-2016.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Paul V. Hainsworth Date (Optional): 2016-07-11

Signature: DocuSigned by: Paul V. Hainsworth A2C20405FEDF457... /Paul V. Hainsworth/

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/AIA/14 (02-18)
Approved for use through 11/30/2020. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	05-0601-CON0920
	Application Number	
Title of Invention	Playback Device Connection	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

Secrecy Order 37 CFR 5.2:

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Inventor Information:

Inventor 1 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Nicholas	A.J.	Millington	

Residence Information (Select One) ● US Residency Non US Residency Active US Military Service

City	Santa Barbara	State/Province	CA	Country of Residence	US

Mailing Address of Inventor:

Address 1	614 Chapala St.		
Address 2			
City	Santa Barbara	State/Province	CA
Postal Code	93101	Country	US

Inventor 2 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Paul	V.	Hainsworth	

Residence Information (Select One) ◉ US Residency Non US Residency Active US Military Service

City	Foxboro	State/Province	MA	Country of Residence	US

Mailing Address of Inventor:

Address 1	614 Chapala St.		
Address 2			
City	Santa Barbara	State/Province	CA
Postal Code	93101	Country	US

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

PTO/AIA/14 (02-18)
Approved for use through 11/30/2020. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	05-0601-CON0920
	Application Number	
Title of Invention	Playback Device Connection	

☐ **An Address is being provided for the correspondence Information of this application.**

Customer Number	135176		
Email Address	ls3_docketing@cardinal-ip.com	Add Email	Remove Email

Application Information:

Title of the Invention	Playback Device Connection		
Attorney Docket Number	05-0601-CON0920	**Small Entity Status Claimed**	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	9	**Suggested Figure for Publication (if any)**	

Filing By Reference:

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	● Customer Number	US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	135176		

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	05-0601-CON0920
	Application Number	
Title of Invention	Playback Device Connection	

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.
When referring to the current application, please leave the "Application Number" field blank.

Prior Application Status	Pending	Remove

Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Continuation of	16746294	2020-01-17

Prior Application Status	Patented	Remove

Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
16746294	Continuation of	16298515	2019-03-11	10541883	2020-01-21

Prior Application Status	Pending	Remove

Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
16298515	Continuation of	15091113	2016-04-05

Prior Application Status	Patented	Remove

Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15091113	Continuation of	14486667	2014-09-15	9866447	2018-01-09

Prior Application Status	Patented	Remove

Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14486667	Continuation of	13618829	2012-09-14	8868698	2014-10-21

Prior Application Status	Patented	Remove

Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
13618829	Continuation of	11147116	2005-06-06	8326951	2012-12-04

Prior Application Status	Expired	Remove

Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
11147116	Claims benefit of provisional	60577284	2004-06-05

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button. Add

Foreign Priority Information:

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	05-0601-CON0920
	Application Number	
Title of Invention	Playback Device Connection	

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)[i] the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Remove

Application Number	Country[i]	Filing Date (YYYY-MM-DD)	Access Code[i] (if applicable)

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button. Add

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.
NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	05-0601-CON0920
	Application Number	
Title of Invention	Playback Device Connection	

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

☐ A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

☐ B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	05-0601-CON0920
	Application Number	
Title of Invention	Playback Device Connection	

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant 1 Remove

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

● Assignee	Legal Representative under 35 U.S.C. 117	Joint Inventor
Person to whom the inventor is obligated to assign.	Person who shows sufficient proprietary interest	

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor:

If the Applicant is an Organization check here. ☒

Organization Name	Sonos, Inc.		
Mailing Address Information For Applicant:			
Address 1	614 Chapala St.		
Address 2			
City	Santa Barbara	**State/Province**	CA
Country	US	Postal Code	93101
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button. Add

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

PTO/AIA/14 (02-18)
Approved for use through 11/30/2020. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	05-0601-CON0920
	Application Number	
Title of Invention	Playback Device Connection	

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

Remove

If the Assignee or Non-Applicant Assignee is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information For Assignee including Non-Applicant Assignee:

Address 1			
Address 2			
City		**State/Province**	
Country i		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button. Add

Signature:

Remove

NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). **However, if this Application Data Sheet is submitted with the INITIAL filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).**

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See 37 CFR 1.4(d) for the manner of making signatures and certifications.

Signature	/Brandon J. Kennedy/			Date (YYYY-MM-DD)	2020-09-11
First Name	Brandon J.	Last Name	Kennedy	Registration Number	67894

Additional Signature may be generated within this form by selecting the Add button. Add

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	05-0601-CON0920
	Application Number	
Title of Invention	Playback Device Connection	

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1 The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3 A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent CooperationTreaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Docket No.: 05-0601-CON0920)

In re Application of:	)	
	)	Confirmation No.: TBD
Nicholas A.J. Millington et al.	)	
	)	Art Unit: TBD
Application No.: TBD	)	
	)	Examiner: TBD
Filed: September 11, 2020	)	
	)	
Title: Playback Device Connection	)	

Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

GENERAL AUTHORIZATIONS UNDER 37 C.F.R. §§ 1.25(b) and 1.136(a)(3)

In this or any related application filed pursuant to 37 C.F.R. § 1.53, for the entire pendency thereof, and with respect to Deposit Account No. 506632, the Commissioner is hereby generally authorized:

(a) under 37 C.F.R. § 1.25(b), subject to the provisions of 37 C.F.R. § 1.311(b), to charge all fees set forth in 37 C.F.R. §§ 1.16 to 1.18; and

(b) under 37 C.F.R. § 1.136(a)(3) to treat any future reply requiring an extension of time as incorporating a request therefor, and specifically to charge any fee that may be due in connection with such a request.

Respectfully submitted,

Date: September 11, 2020

By: /Brandon J. Kennedy/
Brandon J. Kennedy
Registration No.: 67,894
(312) 754-9315

Lee Sullivan Shea & Smith LLP
656 W Randolph St., Floor 5W
Chicago, IL 60661
(312)754-9602

ABSTRACT

An example playback device includes programming to perform functions including detecting a triggering event that causes the playback device to transmit a first message indicating the playback device is available for setup and establishing an initial communication path with a computing device. The functions also include processing a second message received from the computing device via the initial communication path containing network configuration parameters for a secure WLAN defined by one or more network devices, wherein the initial communication path with the computing device does not traverse any of the one or more network devices, and wherein the network configuration parameters include an identifier of, and security information for, the secure WLAN. The functions also include using the network configuration parameters to connect to the secure WLAN and transitioning from communicating with the computing device via the initial communication path to communicating with the computing device via the secure WLAN.

CLAIMS

We Claim:

1. A system comprising:

a playback device configured to communicate over at least one data network; and

a computing device configured to communicate over at least one data network;

the playback device comprising:

at least one first processor;

a first non-transitory computer-readable medium; and

program instructions stored on the first non-transitory computer-readable medium that are executable by the at least one first processor such that the playback device is configured to:

detect a triggering event that causes the playback device to enter a setup mode in which the playback device transmits a first set of one or more messages collectively indicating that the playback device is available for setup;

while in the setup mode, establish an initial communication path with the computing device;

process a second set of one or more messages received from the computing device via the initial communication path, wherein the second set of one or more messages collectively comprise network configuration parameters for a secure wireless network configured to exchange digital data packets that is defined by one or more network devices, wherein the initial communication path with the computing device does not traverse any of the one or more network devices, and wherein the network configuration parameters comprise an identifier of the secure wireless network and security information for the secure wireless network;

use the network configuration parameters to connect to the secure wireless network; and

transition from communicating with the computing device via the initial communication path to communicating with the computing device via the secure wireless network;

the computing device comprising:

at least one second processor;

a second non-transitory computer-readable medium; and

program instructions stored on the second non-transitory computer-readable medium that are executable by the at least one first processor such that the computing device is configured to:

receive the first set of one or more messages collectively indicating that the playback device is available for setup;

establish the initial communication path with the playback device;

transmit the second set of one or more messages to the playback device via the initial communication path; and

transition from communicating with the playback device via the initial communication path to communicating with the playback device via the secure wireless network.

2. The system of claim 1, wherein the triggering event comprises powering on the playback device.

3. The system of claim 1, wherein the computing device is installed with software for controlling the playback device.

4. The system of claim 3, wherein the computing device further comprises program instructions stored on the second non-transitory computer-readable medium that are executable by the at least one second processor such that the computing device is configured to:

receive an indication that the playback device has connected to the secure wireless network; and

present a visualization, via the software for controlling the playback device, indicating that the playback device has connected to the secure wireless network.

5. The system of claim 1, wherein communicating with the playback device via the secure wireless network comprises transmitting a command to the playback device related to playback of audio content.

6. The system of claim 5, wherein the command comprises a command to retrieve audio content for playback from an audio source that is accessible via a communication path that includes the secure wireless network, and wherein the playback device further comprises program instructions stored on the first non-transitory computer-readable medium that are executable by the at least one first processor such that the playback device is configured to:

receive the command; and

based on receiving the command, retrieve the audio content from the audio source via the communication path that includes the secure wireless network.

7. The system of claim 1, wherein the playback device further comprises program instructions stored on the first non-transitory computer-readable medium that are executable by the at least one first processor such that the playback device is configured to:

after connecting to the secure wireless network, join a networked audio system that is operating on the secure wireless network.

8. The system of claim 7, wherein communicating with the computing device via the secure wireless network comprises receiving a command to form a group with at least one additional

playback device of the networked audio system such that the playback device is configured to play back audio content in synchrony with the at least one additional playback device.

9. The system of claim 8, wherein communicating with the computing device via the secure wireless network further comprises receiving a command to adjust a volume of the group of playback devices, and wherein the playback device further comprises program instructions stored on the first non-transitory computer-readable medium that are executable by the at least one first processor such that the playback device is configured to:

based on the command to adjust the volume of the group, (a) cause an adjustment of an individual volume of the playback device and (b) transmit, to the at least one additional playback device via the secure wireless network, a command to adjust an individual volume of the at least one additional playback device.

10. The system of claim 1, wherein, after using the network configuration parameters to connect to the secure wireless network, the playback device is included in the one or more network devices that define the secure wireless network.

11. The system of claim 1, wherein the first set of one or more messages is a single first message.

12. The system of claim 1, wherein the second set of one or more messages is a single second message that contains both the identifier of the secure wireless network and the security information for the secure wireless network.

13. The system of claim 1, wherein the security information for the secure wireless network comprises a security key.

14. The system of claim 1, wherein the secure wireless network comprises a local area network (LAN).

15. The system of claim 1, wherein the computing device further comprises program instructions stored on the second non-transitory computer-readable medium that are executable by the at least one second processor such that the computing device is configured to:

prior to receiving the first set of one or more messages, connect to the secure wireless network, wherein the program instructions that are executable by the at least one second processor such that the computing device is configured to receive the first set of one or more messages comprise program instructions that are executable by the at least one second processor such that the computing device is configured receive the first set of one or more messages while connected to the secure wireless network.

16. The system of claim 1, wherein the playback device is a first playback device, the system further comprising:

a second playback device comprising:

at least one third processor;

a third non-transitory computer-readable medium; and

program instructions stored on the third non-transitory computer-readable medium that are executable by the at least one third processor such that the second playback device is configured to:

detect a triggering event that causes the second playback device to enter a setup mode in which the second playback device transmits a third set of one or more messages collectively indicating that the second playback device is available for setup;

establish a direct communication path with the computing device; and

receive, via the direct communication path from the computing device, audio content for playback.

17. The system of claim 16, wherein the computing device further comprises program instructions stored on the second non-transitory computer-readable medium that are executable by the at least one second processor such that the computing device is configured to:

receive the third set of one or more messages collectively indicating that the second playback device is available for setup;

establish the direct communication path with the second playback device; and

transmit, via the direct communication path to the second playback device, audio content for playback by the second playback device.

18. One or more non-transitory computer-readable mediums provisioned with program instructions that, when executed by at least one processor, collectively cause a system comprising (i) a first computing device configured to communicate over at least one data network and (ii) a second computing device configured to communicate over at least one data network to:

detect, by the first computing device, a triggering event that causes the first computing device to enter a setup mode in which the first computing device transmits a first set of one or more messages collectively indicating that the first computing device is available for setup;

receive, by the second computing device, the first set of one or more messages;

while the first computing device is in the setup mode, establish an initial communication path between the first computing device and the second computing device;

transmit, by the second computing device, a second set of one or more messages to the first computing device via the initial communication path, wherein the second set of one or more messages collectively comprise network configuration parameters for a secure wireless network configured to exchange digital data packets that is defined by one or more network devices,

wherein the initial communication path with the second computing device does not traverse any of the one or more network devices, and wherein the network configuration parameters comprise an identifier of the secure wireless network and security information for the secure wireless network;

process, by the first computing device, the second set of one or more messages received from the second computing device via the initial communication path;

use, by the first computing device, the network configuration parameters to connect to the secure wireless network; and

transition from communicating between the first computing device and the second computing device via the initial communication path to communicating between the first computing device and the second computing device via the secure wireless network.

19. The one or more non-transitory computer-readable mediums of claim 18, wherein the triggering event comprises powering on the first computing device.

20. The one or more non-transitory computer-readable mediums of claim 18, wherein the one or more non-transitory computer-readable mediums are also provisioned with program instructions that, when executed by the at least one processor, cause the second computing device to:

receive an indication that the first computing device has connected to the secure wireless network; and

present a visualization, via software installed on the second computing device for controlling the first computing device, indicating that the first computing device has connected to the secure wireless network.

21. The one or more non-transitory computer-readable mediums of claim 18, wherein communicating between the first computing device and the second computing device via the secure wireless network comprises transmitting, from the second computing device to the first

computing device, a command to retrieve audio content for playback from an audio source that is accessible via a communication path that includes the secure wireless network, and wherein the one or more non-transitory computer-readable mediums are also provisioned with program instructions that, when executed by the at least one processor, cause the first computing device to:

based on the command, retrieve the audio content from the audio source via the communication path that includes the secure wireless network.

22. The one or more non-transitory computer-readable mediums of claim 18, wherein the one or more non-transitory computer-readable mediums are also provisioned with program instructions that, when executed by the at least one processor, cause the first computing device to:

after connecting to the secure wireless network, join a networked audio system that is operating on the secure wireless network; and

wherein communicating between the first computing device and the second computing device via the secure wireless network comprises transmitting, from the second computing device to the first computing device, a command to form a group with at least one additional computing device of the networked audio system such that the first computing device is configured to play back audio content in synchrony with the at least one additional computing device.

23. The one or more non-transitory computer-readable mediums of claim 22, wherein communicating between the first computing device and the second computing device via the secure wireless network comprises transmitting, from the second computing device to the first computing device, a command to adjust a volume of the group of computing devices, and wherein the one or more non-transitory computer-readable mediums are also provisioned with program instructions that, when executed by the at least one processor, cause the first computing device to:

based on the command to adjust the volume of the group, (a) cause an adjustment of an individual volume of the first computing device and (b) transmit, to the at least one additional

computing device via the secure wireless network, a command to adjust an individual volume of the at least one additional computing device.

24. The one or more non-transitory computer-readable mediums of claim 18, wherein, after using the network configuration parameters to connect to the secure wireless network, the first computing device is included in the one or more network devices that define the secure wireless network.

25. The one or more non-transitory computer-readable mediums of claim 18, wherein the first set of one or more messages is a single first message, wherein the security information for the secure wireless network comprises a security key, and wherein the secure wireless network comprises a local area network (LAN).

26. The one or more non-transitory computer-readable mediums of claim 18, wherein the second set of one or more messages is a single second message that contains both the identifier of the secure wireless network and the security information for the secure wireless network.

27. The one or more non-transitory computer-readable mediums of claim 18, wherein the one or more non-transitory computer-readable mediums are also provisioned with program instructions that, when executed by the at least one processor, cause the second computing device to:

prior to receiving the first set of one or more messages, connect to the secure wireless network, wherein the program instructions that, when executed by the at least one processor, cause the second computing device to receive the first set of one or more messages comprise program instructions that, when executed by the at least one processor, cause the second computing device to receive the first set of one or more messages while connected to the secure wireless network.

28. The one or more non-transitory computer-readable mediums of claim 18, wherein the system further comprises (iii) a third playback device configured to communicate over at least one data network, and wherein the one or more non-transitory computer-readable mediums are also provisioned with program instructions that, when executed by the at least one processor, cause the third playback device to:

detect a triggering event that causes the third playback device to enter a setup mode in which the third playback device transmits a third set of one or more messages collectively indicating that the third playback device is available for setup;

establish a direct communication path with the second computing device; and

receive, via the direct communication path from the second computing device, audio content for playback.

29. The one or more non-transitory computer-readable mediums of claim 28, wherein the one or more non-transitory computer-readable mediums are also provisioned with program instructions that, when executed by the at least one processor, cause the second computing device to:

receive the third set of one or more messages collectively indicating that the third playback device is available for setup;

establish the direct communication path with the third playback device; and

transmit, via the direct communication path to the third playback device, audio content for playback by the third playback device.

30. A method carried out by a system comprising (i) a first computing device configured to communicate over at least one data network and (ii) a second computing device configured to communicate over at least one data network, the method comprising:

detecting, by the first computing device, a triggering event that causes the first computing

device to enter a setup mode in which the first computing device transmits a first set of one or more messages collectively indicating that the first computing device is available for setup;

receiving, by the second computing device, the first set of one or more messages;

while the first computing device is in the setup mode, establishing an initial communication path between the first computing device and the second computing device;

transmitting, by the second computing device, a second set of one or more messages to the first computing device via the initial communication path, wherein the second set of one or more messages collectively comprise network configuration parameters for a secure wireless network configured to exchange digital data packets that is defined by one or more network devices, wherein the initial communication path with the second computing device does not traverse any of the one or more network devices, and wherein the network configuration parameters comprise an identifier of the secure wireless network and security information for the secure wireless network;

processing, by the first computing device, the second set of one or more messages received from the second computing device via the initial communication path;

using, by the first computing device, the network configuration parameters to connect to the secure wireless network; and

transitioning from communicating between the first computing device and the second computing device via the initial communication path to communicating between the first computing device and the second computing device via the secure wireless network.

Application for a United States Patent United States Patent and Trademark Office

Title: Playback Device Connection

Inventor(s): Nicholas A.J. Millington
Paul V. Hainsworth

Assignee: Sonos, Inc.
614 Chapala St.
Santa Barbara, CA 93101

CROSS REFERENCE TO RELATED APPLICATIONS

[0000] This application is a continuation of U.S. App. 16/746,294, filed on January 17, 2020, which is a continuation of U.S. App. 16/298,515, filed on March 11, 2019 and issued on Jan. 21, 2020 as U.S. Pat. 10,541,883, which is a continuation of U.S. App. 15/091,113, filed on Apr. 5, 2016, which is a continuation of U.S. App. 14/486,667, filed on Sep. 15, 2014 and issued on Jan. 9, 2018, as U.S. Pat. 9,866,447, which is a continuation of U.S. App. 13/618,829, filed on Sep. 14, 2012 and issued Oct. 21, 2014, as U.S. Pat. 8,868,698, which is a continuation of U.S. App. 11/147,116 filed on Jun. 6, 2005 and issued Dec. 4, 2012, as U.S. Pat. 8,326,951, which claims priority to provisional application 60/577,284 filed Jun. 5, 2004, which is now expired. Each of the applications listed above is hereby incorporated by reference in its entirety.

BACKGROUND

Field of the Invention

[0001] The invention is generally related to the area of multimedia technologies in consumer electronics industry. More particularly, the invention is related to techniques for connecting various devices to a network for secure communications with a minimum of human interaction and technical ability.

The Background of Related Art

[0002] Consumer electronics devices that operate using wireless or wired Ethernet standards are often subject to the same complicated set-up process as a wireless computer network. Typically, the person who sets up the wireless network must have at least some knowledge about IP (Internet Protocol) networking and Ethernet (e.g., 802.3, 802.11), such as addressing, security, broadcast, unicast, etc. Such a skill requirement is generally acceptable for computer-to-computer networks, which is typically done by an IT professional. However, it is impractical to require average consumers to have such knowledge to hook up consumer electronic devices, such as home entertainment products that use wireless/wired Ethernet connectivity.

[0003] FIG. 5 shows an exemplary setting **500** for connecting a computer to a wireless network. The setting **500** is typically displayed when a user is ready to connect the computer to a wireless network so that the user can enter relevant information in the setting **500.** Although the setting **500** requires very little information to make the computer connected to the network, the information is relatively technical to the average consumers. First, the user has to know what type of network the computer is going to be connected to. There are two choices **502,** Access Point (infrastructure) and Computer-to-computer (Ad Hoc). The distinction between these two types of network is a common knowledge to the IT professionals yet can be a difficult question to the average consumers. Further even if the user knows the difference, there are more questions or options related to the security settings in **504,** which evidently requires some good understanding about the network security over the wireless network.

[0004] For home entertainment products, there is a clear need to create simple methods of setting up and maintaining a secure wireless/wired in-home network with minimum human interventions.

SUMMARY OF THE INVENTION

[0005] This section is for the purpose of summarizing some aspects of the present invention and to briefly introduce some preferred embodiments. Simplifications or omissions in this section as well as in the abstract or the title of this description may be made to avoid obscuring the purpose of this section, the abstract and the title. Such simplifications or omissions are not intended to limit the scope of the present invention.

[0006] In general, the present invention pertains to techniques for automatically configuring necessary parameters of a device to be coupled to a network. According to one aspect of the present invention, an Ad-hoc (wireless or wired) network is established to facilitate communications among a group of devices. When a new device

is added to the network, a rudimentary communication path is initially established between one of the devices in the network ("first device") and the new device ("second device") such that necessary parameters (e.g., SSID, WEP security, channel frequency) can be exchanged for the second device to function properly in the network. To ensure the parameters are exchanged in a secure fashion, an additional public security procedure can be used between the two devices.

[0007] According to another aspect of the present invention, a first device that may be or may not be the device in the network broadcasts a message including probing datagrams in compliance with the standard IP broadcast. The rudimentary communication path may be established after the second device responds to the message from the first device. According to yet another aspect of the present invention, such an automatic configuration process is only started when a user is indeed ready to do so. In general, a mechanism is provided and accessible by the user to activate the process. As such, no incident or unwanted configuration process could be initiated without the approval of the user. In one embodiment, the second device is equipped with two buttons that must be pressed simultaneously to activate the automatic configuration process.

[0008] The necessary parameters in the second device are subsequently configured in several exchanges of messages with the first device. At least some of the messages are encrypted. As a result, the second device is automatically configured to operate correctly in the network with a minimum of human intervention and technical ability. In an exemplary application of the present invention for an audio system with a controller and multiple zone players, an Ad-hoc network is formed among the controller and the zone players, where the network may be wired or wireless or a mixture of both. In one case, either a handheld controller or a zone player (referred to as an access device) is coupled to an access point of a LAN. An Ad-hoc network can be thus formed based on the access device. The remaining (unconfigured) zone players may be coupled to the network whenever desired, all with minimum human intervention. As a

result, any one of the zone players may communicate with each other to share or distribute audio sources available on the Internet and reproduce sounds together or separately.

[0009] The present invention may be implemented in many forms including software, hardware or a combination of both as method, process, or system. According to one embodiment of the present invention, the present invention is a method for providing a first device and a second device for the network, activating the second device intentionally to automatically configure necessary parameters with the first device, establishing automatically a rudimentary communication path between the first device and the second device by scanning all available transmission channels allocated in accordance with a protocol; and exchanging messages between the first device and the second device over the rudimentary communication path till the second device is fully operating with the first device.

[0010] According to another embodiment of the present invention, the present invention is a system for establishing a network for a group of devices, the system comprises at least one of the devices provided to remotely control operations of one or more of the other devices, one of the devices (hereinafter "first device") configured to establish automatically respective rudimentary communication paths for probing communication, each of the rudimentary communication paths being with one of the other devices, wherein an automatic configuration process takes place only in one of the other devices after the user authorizes the one of the other devices to start the automatic configuration process, and wherein the automatic configuration process causes several messages to be exchanged between the first device and one of the other devices, some of the messages carry information pertaining to an appropriate

transmission channel, an identifier of the network and a security key for subsequent communication, the some of the messages are encrypted.

[0011] According to yet another embodiment of the present invention, the present invention is a system for establishing a network for a group of devices, the system comprises a plurality of zone players, each equipped with a mechanism that is once manually activated by a user, an automatic configuration process starts, wherein one of the zone players is coupled to a local area network as an access device; and at least a controller provided to remotely control operations of one or more of the zone players, wherein the access device establishes automatically respective rudimentary communication paths, each with the controller or one of the remaining zone players, the automatic configuration process takes places in the controller and each of the remaining zone players after the user manually activates the automatic configuration process respectively in the controller and each of the remaining z ne players, and wherein the automatic configuration process causes several messages to be exchanged between the access device and any one of the controller and the remaining zone players that have been activated for the automatic configuration process, some of the messages carry information pertaining to a transmission channel, an identifier of the network and a security key for subsequent communication, at least some of the messages are encrypted.

[0012] According to still another embodiment of the present invention, the present invention is a software product to be executable in a device for establishing a network for a group of devices, the software product comprises program code for activating a second device, when requested, to automatically configure necessary parameters with a first device, program code for establishing automatically a rudimentary communication path with the first device by scanning all available transmission channels allocated in accordance with a protocol, and program code for exchanging messages between the

first device and the second device over the rudimentary communication path till the second device is fully operating with the first device.

[0013] According to still another embodiment of the present invention, the present invention is a method for establishing a network for a group of devices, the method comprises providing a plurality of zone players, each equipped with a mechanism that once is manually activated by a user, an automatic configuration process starts, wherein at least a controller is provided to remotely control operations of one or more of the zone players; coupling one of the zone players to a local area network as an access device; establishing automatically respective rudimentary communication paths with the access device, each of paths being with the controller or one of the remaining zone players, wherein the automatic configuration process takes place in the controller and each of the remaining zone players after the user manually activates the automatic configuration process respectively in the controller and each of the remaining zone players, and exchanging several messages between the access device and any one of the controller and the remaining zone players that have been activated for the automatic configuration process, wherein some of the messages carry information pertaining to a transmission channel, an identifier of the network and a security key for subsequent communication, and at least some of the messages are encrypted.

[0014] One of the objects, features, and advantages of the present invention is to provide techniques that facilitate automatic configuration of devices to be coupled to a network with minimum human intervention.

[0015] Other objects, features, and advantages of the present invention will become apparent upon examining the following detailed description of an embodiment thereof, taken in conjunction with the attached drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

[0016] These and other features, aspects, and advantages of the present invention will become better understood with regard to the following description, appended claims, and accompanying drawings where:

[0017] FIG. 1 shows an exemplary configuration in which the present invention may be practiced;

[0018] FIG. 2A shows an exemplary functional block diagram of a player in accordance with the present invention;

[0019] FIG. 2B shows an example of controllers that may be used to remotely control one of more players of FIG. 1;

[0020] FIG. 2C shows an exemplary internal functional block diagram of a controller in accordance with one embodiment of the present invention;

[0021] FIG. 3A shows three zone players and a controller that form an Ad-Hoc network as an example to facilitate the description of an automatic configuration process contemplated in the present invention;

[0022] FIG. 3B shows an embodiment that involves a process of five exchanges of data;

[0023] FIG. 4A shows a flowchart or process according to one embodiment of the present invention;

[0024] FIG. 4B shows another flowchart or process according to one embodiment of the present invention; and

[0025] FIG. 5 shows an exemplary setting for connecting a computer to a wireless network.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

[0026] The present invention pertains to techniques for automatically configuring necessary parameters of a device to be coupled to a network with minimum human intervention. According to one aspect of the present invention, a wired and/or wireless Ad-hoc network is established to facilitate communications among a group of devices. According to one aspect of the present invention, when a new device is added to the network, a rudimentary communication path is initially established between one of the devices ("first device") in the network and the new device ("second device") such that necessary parameters (e.g., SSID, WEP security, channel frequency) can be exchanged for the new device to function properly in the network. To ensure the parameters are exchanged in a secure fashion, an additional public security procedure can be used between the two devices.

[0027] The detailed description of the present invention is presented largely in terms of procedures, steps, logic blocks, processing, or other symbolic representations that directly or indirectly resemble the operations of devices or systems that can be used on networks. These descriptions and representations are typically use by those skilled in the art to most effectively convey the substance of their work to others skilled in the art.

[0028] Reference herein to "one embodiment" or "an embodiment" means that a particular feature, structure, or characteristic described in connection with the embodiment can be included in at least one embodiment of the invention. The appearances of the phrase "in one embodiment" in various places in the specification

are not necessarily all referring to the same embodiment, nor are separate or alternative embodiments mutually exclusive of other embodiments. Further, the order of blocks in process flowcharts or diagrams or the use of sequence numbers representing one or more embodiments of the invention do not inherently indicate any particular order nor imply any limitations in the invention.

[0029] Embodiments of the invention are discussed herein with reference to an audio system with multi-zone capability. However, those skilled in the art will readily appreciate that the detailed description given herein with respect to the audio system is for explanatory purposes as the invention extends beyond these limited embodiments.

[0030] Referring now to the drawings, in which like numerals refer to like parts throughout the several views. FIG. 1 shows an exemplary configuration **100** in which the present invention may be practiced. The configuration may represent, but not be limited to, a part of a residential home, a business building or a living complex with multiple zones. There are a number of multimedia players of which three examples **102, 104** and **106** are shown as audio devices. Each of the audio devices may be installed or provided in one particular area or zone and hence referred to as a zone player herein.

[0031] As used herein, unless explicitly stated otherwise, a track and an audio source are used interchangeably, an audio source or audio sources are in digital format and can be transported or streamed across a data network. To facilitate the understanding of the present invention, it is assumed that the configuration **100** represents a home. Thus, the zone player **102** and **104** may be located in two of the bedrooms respectively while the zone player **106** may be installed in a living room. All of the zone players **102, 104** and **106** are coupled directly or indirectly to a data network **108.** In addition, a computing device **110** is shown to be coupled on the network **108.** In

reality, any other devices such as a home gateway device, a storage device, or an MP3 player may be coupled to the network **108** as well.

[0032] The network **108** may be a wired network, a wireless network or a combination of both. In one example, all devices including the zone players **102, 104** and **106** are coupled to the network **108** by wireless means based on an industry standard such as IEEE 802.11. In yet another example, all devices including the zone players **102, 104** and **106** are part of a local area network that communicates with a wide area network (e.g., the Internet).

[0033] All devices on the network **108** may be configured to download and store audio sources or receive streaming audio sources. For example, the computing device **110** can download audio sources from the Internet and store the downloaded sources locally for sharing with other devices on the Internet or the network **108.** The zone player **106** can be configured to receive streaming audio source and share the source with other devices. Shown as a stereo system, the device **112** is configured to receive an analog source (e.g., from broadcasting) or retrieve a digital source (e.g., from a compact disk). The analog sources can be converted to digital sources. In accordance with the present invention, all audio sources, regardless of where they are located or how they are received, may be shared among the devices on the network **108.**

[0034] Any device on the network **108** may be configured to control operations of the zone players **102, 104** and **106.** In particular, one or more controlling devices **140** and **142** are used to control zone players **102, 104** and **106** as shown in FIG. 1. The controlling devices **140** and **142** are preferably portable and remotely control the zone players via wireless means (e.g., infrared, radio, wireless standard IEEE 802.11b or 802.11g). In one embodiment, besides controlling an individual zone player, the controlling device **140 or 142** is configured to manage audio sources and other

characteristics of all the zone players regardless where the controlling device **140** or **142** is located in a house or a confined living complex.

[0035] Referring now to FIG. 2A, there is shown an exemplary functional block diagram of a zone player **200** in accordance with the present invention. The zone player **200** includes a network interface **202,** a processor **204,** a memory **206,** an audio processing circuit **210,** a digital signal processing module **212,** and an audio amplifier **214.** The network interface **202** facilitates a data flow between a data network (i.e., the data network **108** of FIG. 1) and the zone player **200** and typically executes a special set of rules (i.e., a protocol) to send data back and forth. One of the common protocols is TCP/IP (Transmission Control Protocol/Internet Protocol) commonly used in the Internet. In general, a network interface manages the conversion of an audio source or file into smaller packets that are transmitted over the data network or reassembles received packets into the original source or file. In addition, the network interface **202** handles the address part of each packet so that it gets to the right destination or intercepts packets destined for the zone player **200.**

[0036] The network interface **202** may include either one or both of a wireless interface **216** and a wired interface **217.** The wireless interface **216,** also referred to as a RF interface, provides network interface functions by a wireless means for the zone player **200** to communicate with other devices in accordance with a communication protocol (such as the wireless standard IEEE 802.11a, 802.11b or 802.119). The wired interface **217** provides network interface functions by a wired means (e.g., an Ethernet cable). Depending on implementation, each of the zone players may be equipped with either one or both of the interfaces **216 or 217.** In one embodiment, a zone player, referred to as an access zone player, including both of the interfaces **216** and **217** is coupled to an access point of an LAN and communicates with other zone players wirelessly. Thus these other zone players may communicate with other devices on a

network or retrieve audio sources via the access zone player. The processor **204** is configured to control the operation of other parts in the zone player **200.** The memory **206** may be loaded with one or more software modules that can be executed by the processor **204** to achieve desired tasks.

[0037] The audio processing circuit **210** resembles most of the circuitry in an audio playback device and includes one or more digital-to-analog converters (DAC), an audio preprocessing part, an audio enhancement part or a digital signal processor and others. In operation, when an audio source (e.g., audio source) is retrieved via the network interface **202,** the audio source is processed in the audio processing circuit **210** to produce analog audio signals. The processed analog audio signals are then provided to the audio amplifier **214** for playback on speakers. In addition, the audio processing circuit **210** may include necessary circuitry to process analog signals as inputs to produce digital signals for sharing with other devices on a network.

[0038] Depending on an exact implementation, the digital signal processing module **212** may be implemented within the audio processing circuit **210** or as a combination of hardware and software. The audio amplifier **214** is typically an analog circuit that powers the provided analog audio signals to drive one or more speakers.

[0039] Referring now to FIG. 28, there is shown an example of a controller **240,** which may correspond to the controlling device **140 or 142** of FIG. 1. The controller **240** may be used to facilitate the control of multi-media applications, automation and others in a living complex. In particular, the controller **240** is configured to facilitate a selection of a plurality of audio sources available on the network, controlling operations of one or more zone players (e.g., the zone player **200)** through a RF interface corresponding to the wireless interface **216** of FIG. 2A. According to one embodiment, the wireless means is based on an industry standard (e.g., infrared, radio, wireless standard IEEE

802.11 a, 802.11b or 802.11g). When a particular audio source is being played in the zone player **200,** a picture, if there is one, associated with the audio source may be transmitted from the zone player **200** to the controller **240** for display. In one embodiment, the controller **240** is used to select an audio source for playback. In another embodiment, the controller **240** is used to manage (e.g., add, delete, move, save, or modify) a playlist.

[0040] The user interface for the controller **240** includes a screen **242** (e.g., a LCD screen) and a set of functional buttons as follows: a "zones" button **244,** a "back" button **246,** a "music" button **248,** a scroll wheel **250,** "ok" button **252,** a set of transport control buttons **254,** a mute button **262,** a volume up/down button **264,** a set of soft buttons **266** corresponding to the labels **268** displayed on the screen **242.**

[0041] The screen **242** displays various screen menus in response to a selection by a user. In one embodiment, the "zones" button **244** activates a zone management screen or "Zone Menu" to allow a user to group players in a number of desired zones so that the players are synchronized to play an identical playlist or tracks. The "back" button **246** may lead to different actions depending on the current screen. In one embodiment, the "back" button triggers the current screen display to go back to a previous one. In another embodiment, the 'back" button negates the user's erroneous selection. The "music" button **248** activates a music menu, which allows the selection of an audio source (e.g., a song track) to be added to a playlist (e.g., a music queue) for playback.

[0042] The scroll wheel **250** is used for selecting an item within a list, whenever a list is presented on the screen **242.** When the items in the list are too many to be accommodated in one screen display, a scroll indicator such as a scroll bar or a scroll arrow is displayed beside the list. When the scroll indicator is displayed, a user may

rotate the scroll wheel **250** to either choose a displayed item or display a hidden item in the list. The "ok" button **252** is use to confirm the user selection on the screen **242** or activate a playback of an item.

[0043] There are three transport buttons **254,** which are used to control the effect of the currently playing track. For example, the functions of the transport buttons may include play/pause and forward/rewind a track, move forward to the next track, or move backward to the previous track. According to one embodiment, pressing one of the volume control buttons such as the mute button **262** or the volume up/down button **264** activates a volume panel. In addition, there are three soft buttons **266** that can be activated in accordance with the labels **268** on the screen **242.** It can be understood that, in a multi-zone system, there may be multiple audio sources being played respectively in more than one zone players. The music transport functions described herein shall apply selectively to one of the sources when a corresponding zone player is selected.

[0044] FIG. 2C illustrates an internal functional block diagram of an exemplary controller **270,** which may correspond to the controller **240** of FIG. 2B. The screen **272** on the controller **270** may be a LCD screen. The screen **272** communicates with and is commanded by a screen driver **274** that is controlled by a microcontroller (e.g., a processor) **276.** The memory **282** may be loaded with one or more application modules **284** that can be executed by the microcontroller **276** with or without a user input via the user interface **278** to achieve desired tasks. In one embodiment, an application module is configured to facilitate automatic establishment of a wireless connection with a network or another device. In another embodiment, an application module is configured to facilitate automatically configuring itself after communicating with another configured device. It should be noted that similar application modules may also be included in the memory 206 of FIG. 2A. As a result, either a zone player or a controller may be

automatically configured to communicate over a network, provided such an automatic configuration is intended by a user.

[0045] The controller **270** includes a network interface **280** referred to as a RF interface **280** that facilitates wireless communication with a zone player via a corresponding wireless interface or RF interface thereof. The controller **270** may control one or more zone players, such as **102, 104** and **106** of FIG. 1. Nevertheless, there may be more than one controllers, each preferably in a zone (e.g., a room) and configured to control any one and all of the zone players.

[0046] It should be pointed out that the controller **240** in FIG. 2B is not the only controlling device that may practice the present invention. Other devices that provide the equivalent control functions (e.g., a computing device, a PDA, a hand-held device, and a laptop computer) may also be configured to practice the present invention. In the above description, unless otherwise specifically described, it is clear that keys or buttons are generally referred to as either the physical buttons or soft buttons, enabling a user to enter a command or data.

[0047] It is assumed that a user has obtained an audio system that includes a set of zone players and a controller. Although it is possible to connect each of the zone players and the controller to a network, the requirement for extra network cards, cables and a hub/switch/router makes the idea unattractive. The introduction of wireless networking has allowed for an implementation without these requirements. FIG. 3A shows that there are three zone players **302, 304** and **306** and a controller **308** that form a network branch that is also referred to as an Ad-Hoc network **310.** In one embodiment, the network **310** is pure wireless. In another embodiment, the network **310** is wired or a combination of wired and wireless. In general, an Ad-Hoc (or "spontaneous") network is a local area network or other small network in which there is

no one access point for all traffics. With an established Ad-Hoc network, the devices **302, 304, 306** and **308** can all communicate with each other in 'peer-to-peer' style of communication. Furthermore, any device may come/go from the network and the network will automatically reconfigure itself without needing the user to reconfigure the network.

[0048] By the Ad-Hoc network **310,** the devices **302, 304, 306** and **308** may share or exchange one or more audio sources and be grouped to play identical or different audio sources. For example, the devices **302** and **304** are grouped to play back one piece of music, and at the same time, the device **306** plays back another piece of music. In other words, the devices **302, 304, 306** and **308** as shown in FIG. 3A form a HOUSEHOLD that distribute audio and/or reproduce sound. As used herein, the term HOUSEHOLD (always in caps to disambiguate from the user's domicile) is used to represent a collection of networked devices that are cooperating to provide an application or service. An instance of a HOUSEHOLD is identified with a Household ID (or HHID).

[0049] In one embodiment, an HHID is a short string or an identifier that is computer-generated to ensure that it is unique. Accordingly, the network **310** may be characterized by a unique HHID and a unique set of configuration variables or parameters, such as Channels (i.e., respective frequency bands), SSID (a sequence of alphanumeric characters as a name of a wireless network), and WEP keys (wired equivalent privacy, or simply security keys). In one embodiment, SSID is simply set to be the same as HHID. One of the aspects of the present invention is to provide a bootstrap procedure that enables automatic and simple establishment of these configuration parameters in each device within a HOUSEHOLD to enable communications among the devices.

[0050] In general, each HOUSEHOLD includes two types of network nodes:

- Control Point (CP) - it controls the overall network setup process and sequencing, including an automatic generation of required network parameters (e.g., WEP keys). In one embodiment, it also provides the user with a HOUSEHOLD configuration user interface. The CP function is typically provided by a computer running a CP application module, or by a handheld controller (e.g., the controller **308)** also running CP application module.
- Zone Player (ZP) - the ZP is any other device on the network that is placed to participate in the automatic configuration process. It should be noted that ZP, as a notation used herein, includes the controller **308** or a computing device.

[0051] The configuration of a HOUSEHOLD involves multiple CP's and ZP's that rendezvous and establish a known configuration such that they can use standard networking protocol (e.g., IP over Wired or Wireless Ethernet) for communication. In one embodiment, there are two types of networks/protocols: Ethernet - 802.3 and Wireless - 802.11g. Interconnections between a CP and a ZP may use either one of the networks/protocols. A device in the system as a member of a HOUSEHOLD may• connect to both networks simultaneously. In an environment that has both networks in use, it is assumed that at least one device in a system is connected to both as a bridging device, thus providing bridging services between wired/wireless networks for others. The zone player **306** in FIG. 3A is shown to be connected to both networks, for example, the connectivity to the network **312** is based on Ethernet while the connectivity to other devices **302, 304** and **308** is based on Wireless.

[0052] *Establishing a rudimentary communication path.* In reference to FIG. 3A, a zone player is not yet a member of a HOUSEHOLD. It is assumed that the zone player is to be added to become a member of the HOUSEHOLD by a cable or wireless. When the zone player is initially turned on, it executes an embedded module that is configured

to establish a rudimentary communication path with another device (network-enabled). The rudimentary communication path facilitates the automatic configuration of the zone player via the another device. This communication path may operate over wireless and/or Ethernet protocols, as the zone player may be connected to one or both. In operation, the communication path does not cause negative effects on other devices in the vicinity and can reach all other members of the HOUSEHOLD (both CP's and ZP's) if there are any. It should also be noted that the communication path does not have to be direct between two devices and may be bridged by one or more other devices. Because the communication path is only used for initial device configuration, it does not require significant performance or sophisticated functionality. There are at least two elements to establish the communication path: channel selection and packet exchange.

[0053] *Channel Selection.* The selection of an appropriate (RF) transmission channel or simply channel is primarily an exercise in two constraints: finding a channel that is quiet from a protocol (e.g., 802.11) viewpoint, i.e., minimal conflicting wireless traffic, and finding a channel that is quiet from an RF viewpoint, i.e., minimal noise from other signals. Both of these tests may be applied because typically a home environment may have other RF (e.g., 2.4GHz) traffic or potentially other wireless access points. It is generally desirable to use a channel that is free from other RF interference. In any case, it is always desirable to avoid other wireless traffic.

[0054] Channel selection is typically accomplished with a scanning technique, namely the device listens on each channel for a period of time, looking for the presence of wireless beacons and other RF signals. In one embodiment, devices that are configured have a preferred channel for the HOUSEHOLD, devices that are not configured have a pre-defined (default) channel or channels that they rendezvous on. For example, 802.11b/g channel 1 could be pre-configured as the default channel.

Alternatively, multiple channels, with a well-known frequency hopping sequence, could be used by the devices (this would require an aperiodic frequency change interval).

[0055] Many hardware configurations only support reception/transmission on a single channel at a given time. Also there are configured and unconfigured devices that may use different channels for the bootstrap configuration and standard network operations (post-configuration communications). According to one embodiment, it is necessary to forcibly put the devices in a "configuration" mode, whereby they use the appropriate channels for communication.

[0056] *Packet Exchange.* To enable communication between devices that are not part of the same HOUSEHOLD, a packet exchange network infrastructure is developed. Probing messages are sent in such a way that they traverse both the Ethernet and wireless networks, reaching any connected devices. Devices that are already in a HOUSEHOLD constitute a network infrastructure that can be used to exchange unicast and multicast/broadcast network frames between the devices. A device that is not yet in the HOUSEHOLD has a much more limited networking capability and can only receive data from devices to which it is directly wired, and unencrypted messages broadcast to all wireless networks operating in a particular channel of the RF spectrum.

[0057] In general, an IP address of a new device is not known to any members of the HOUSEHOLD. If the device is purely wireless, it may not have an IP address at all, or it may have an automatically assigned IP address that is inaccessible to other devices with IP addresses respectively assigned by a DHCP server. To allow devices that are not members of the HOUSEHOLD to join the HOUSEHOLD, a transport may be constructed that can get data one "hop" beyond the HOUSEHOLD network infrastructure.

[0058] In one embodiment, packets of data are broadcasted among the members of the HOUSEHOLD. The packets of data comprise a mixture of "probe" datagrams and standard IP broadcast. For example, the 802.11 "probe" datagrams are used for the inherent ability to cross wireless network boundaries. In other words, the "probe" datagrams can be received by all listeners (i.e., other devices) on the channel, even those that are not configured with an SSID, because they are sent to the broadcast BSS (e.g., FF:FF:FF:FF:FF:FF) to which all devices may be configured to listen. A standard IP broadcast is used on the wired network segments and the HOUSEHOLD network infrastructure to enable a PC-based controller to participate while running with standard user privileges (which allow access only to IP-based network services). Used together as described below, the combination of the "probe" datagrams and IP broadcast provides for a broadcast datagram transport that allows even devices that have not had any networking parameters configured to communicate.

[0059] In general, the probe datagrams comprise a number of elements to facilitate the configuration of other devices to join the HOUSEHOLD. In one embodiment, each of the elements carries up to 255 bytes of data. An element contains data payload for each message used by the bootstrap procedure to invite others to join the HOUSEHOLD. This element is repeated as many times as necessary to carry the complete message. In one embodiment, the IP broadcast datagrams contain the same data payload as the normal IP data payload.

[0060] Messages relating to the bootstrap procedure may be forwarded beyond the boundaries of an existing HOUSEHOLD network infrastructure (including properly configured wireless devices, and the wired network). Similarly, messages originating outside of the HOUSEHOLD network infrastructure may be forwarded into the infrastructure. This forwarding procedure may be accomplished in a mixed wireless/wired network environment without introducing a broadcast storm. A broadcast

storm is a state in which a message that has been broadcast across a network results in more responses than necessary, and each response results in even more responses in a snowball effect, subsequently resulting in a network meltdown. In one embodiment, the network is carefully configured to prevent such a broadcast storm or any illegal broadcast messages. To accomplish this, two flags are included in the message body, for example, "SENT_AS_PROBE" and "SENT_AS_IP_BROADCAST". When a device receives a "probe" message, assumed using "Sonos Netstart" SSID (or the broadcast BSS, as with all probe requests), it forwards the message as an IP broadcast message (after setting the "SENT_AS_IP_BROADCAST" flag) if the SENT_AS_IP_BROADCAST flag is not already set. Similarly, when it receives an IP broadcast with a UDP payload address to an appropriate port (e.g., port number 6969), it forwards the message as a "probe" datagram (after setting the "SENT_AS_PROBE" flag) if that flag is not already set. This allows messages related to the packet exchange both to enter and to exit the HOUSEHOLD network infrastructure without causing a broadcast storm.

[0061] Using this method of broadcast communication, packets can be sent between any member of the HOUSEHOLD and a device to join the HOUSEHOLD on both Ethernet and wireless networks. The device to join the HOUSEHOLD may be brand new and previously configured with a different network (e.g., a device with a stale configuration in a different household). In addition, if used sparingly, these broadcast messages do not interfere with the normal operation of the network or attached devices. As a result, a communication path on an agreed channel has been established between two devices.

[0062] *Device Discovery.* To minimize impact on existing networks and to improve configuration security, the system requires a user to manually activate the auto-configuration process. This is accomplished by a specific action on each device that is being added to the network. For example, if the user is installing a brand new

HOUSEHOLD, containing one CP and two ZP's, the activation process may be manually activated on each by, for example, powering off and on, pushing a reset button or pushing two or more specific buttons simultaneously. In one embodiment, the CP or ZP is simply powered up by the user, which activates the pre-installed module to start the bootstrap procedure.

[0063] For a ZP:

- If the device is unconfigured (e.g., factory default settings), it will immediately go into a "sleep" mode where it is awaiting an activation command.
- If the device has been previously configured, it will attempt to contact other members of its HOUSEHOLD network.

There are situations in which a ZP is orphaned, namely it is previously configured (e.g., perhaps, with another Ad-hoc network) and now is to be added to the HOUSEHOLD (e.g., the ZP is obtained from a previous owner). In the case of an orphan scenario, the ZP may patiently attempt to contact its original network. It can be perceived that this operation will be unsuccessful but otherwise harmless. Even in this configured state, the device can participate in the rudimentary broadcast communication processes described above.

[0064] For the CP:

- If the device is unconfigured (e.g., factory default settings), it will present the user with a description of how to start the configuration process.
- If the device is configured, it will attempt to contact other members of its HOUSEHOLD network.

The CP may also be an orphaned device, in which case it performs similarly to that of the ZP.

[0065] In both cases, correctly configured devices will establish network communications and make themselves available for normal operation. All devices, including those previously configured, will enter an "activation state" when the user indicates that this is desired. At this point, the configuration process can begin.

[0066] *Device Configuration.* The configuration is carried out by exchanging data between two devices that are not necessarily directly connected. This procedure is carried over a rudimentary communication path as described previously. The sequence of exchanging the data is initiated by the user or some other process, for example, activating a reset button, to trigger the "activation" or configuration mode on the involved devices. Each device executes this sequence, and then exits the activation mode. FIG. 3B shows an embodiment that involves a process of five exchanges of data.

[0067] Each of the data exchanges is referred to as a type of message: Alive, QueryNetParams, RespondNetParams, SetNetParams, and AckNetParams, each is explained as follows:

Alive - a message indicating that a named ZP is available for configuration. The message includes at least a *zpUU/O* which is a globally unique identifier that identifies the ZP sending the message.

QueryNetParams - a request from the CP to the ZP to respond with the ZP's current network configuration information. The request includes at least a *zpUUID, cpPK* (the RSA public key of the CP) and *tid* (a unique transaction identifier).

RespondNetParams - a response to the QueryNetParams. It includes the ZP's network configuration information (HHID, WEP key and RSA public key). For security reasons, the WEP key is encrypted using the CP's public key that is only readable by the CP. The response includes at least a *zpUUID, netConfig(the* ZP's current network configuration parameters), *zpPK, and tid.* It is should be noted that a new ZP, set to

factory defaults, shall have well-known parameter values, allowing the CP to determine that it is unconfigured.

SetNetParams - a command message from the CP to the ZP indicating that the ZP should reconfigure its network parameters. The WEP key is encrypted using the ZP's public key, and therefore only readable by the ZP. The command includes at least a *zpUU/O, netConfig* and *tid.* It should be noted that *netConfig* includes the new configuration parameters for the ZP, as determined by the CP. The ZP should save this value in its network configuration, in some cases, these parameters may match the ZP's existing configuration.

AckNetParams - a response to the SetNetParams messaging. The response indicates that the SetNetParams message was received and that the network configuration contained therein has been successfully applied. The response includes at least a *zpUUID* and a *tid.*

[0068] In operation, after a user activates the configuration process (on both ZP and CP) at 351 in FIG. 38. The CP enters a state where it is willing to accept an Alive message. The CP only remains in this state for a limited (finite) period of time. The ZP enters an activation state where it attempts rendezvous with a CP. The ZP only remains in this state for a limited (finite) period of time. The ZP will periodically transmit an Alive message until it either receives a QueryNetParams message, or exits the activation state.

[0069] At **352,** the CP receives an Alive message. If the CP is in the configuration mode, it will generate a new *tid,* and send a QueryNetParams message and send to the ZP. It should be noted that the CP may or may not have been configured at this point. In either case, it sends the QueryNetParams. At **353,** if it is already in the activation state, the ZP responds to a QueryNetParams with its current network configuration. If the ZP is unconfigured (e.g., factory default settings), it will

return an empty HHID and WEP key. If the ZP is previously configured, it will return its current configuration. The ZP also returns its public key such that the WEP key can be encrypted using the CP's public key.

[0070] At **354,** upon receiving the ZP's current configuration information, the CP decides on a course of action. Most, but not all, of these options result in a SetNetParams message being sent to the ZP. The matrix ofpossible situations:

	GP already configured	*GP not configured*
ZP *already configured*	The CP sends a SetNetParams message to the ZP containing the GP's current net config.	**The CP sets its own config to match the ZP config, and the config process is terminated.**
ZPnot *configured*	**The CP sends a** SetNetParams message **to the ZP containing the CP's current net config.**	**The CP generates new config parameters. The parameters are sent to the ZP in a** SetNetParams **message. The CP sets its own config to these values as well.**

[0071] At **355,** when the ZP receives a SetNetParams message, it reconfigures its own HHID and WEP key to match those contained in the network packet.

Accordingly, the GP determines that it generates new configuration parameters in accordance with the following:

- HHID - this is provided by the user via the CP user interface or automatically generated by the CP.

- SSID - this is automatically generated by the CP (e.g., set to the same value as the HHID).
- WEP Key- this is automatically generated (e.g., using a pseudo-random number generator, seeded with entropy collected by the GP).
- Channel - the GP probes the network looking for an acceptable channel (based on a variety of criteria, which may include traffic and interference from other sources).

[0072] Subsequent to the activation process, any devices that have been reconfigured will attempt to establish normal network communications using their new network configuration parameters. In all of the above steps, if the CP or ZP is not already in the activation state, receipt of any messages is ignored.

[0073] If there are multiple ZP's activated simultaneously, all of the devices could execute this same sequence, independently of each other (the CP is capable of multiple independent sessions). If multiple CP's are activated, each will respond to a ZP's Alive message and will execute the sequence - the first one to deliver the SetNetParams to the ZP will configure it. It should be noted that in this case, the second CP will never get an AckNetParams message (because the ZP has exited the activate state). This will cause a transaction timeout in the second CP, at which point it will typically inform the user of the error, or retry the entire sequence. Should it retry the entire sequence, it will not reprogram the ZP (as described above that the effect of an unconfigured CP talking to a configured ZP).

[0074] *Security.* To ensure that the communication among the members in a HOUSEHOLD by wireless means is secure, there are multiple issues in the auto-configuration that are resolved in the present invention.

1. Typically, the broadcasting messages in packet exchange are unencrypted. However, it is undesirable to transmit sensitive information such as WEP keys over wireless medium without encryption. As described below, public key cryptography is used to ensure that WEP keys are distributed in a secured manner.
2. Because the network configuration process is automated and the data is transmitted over the network, it is desirable to ensure that the process is not started without the approval of the user. Specifically, it must not be possible for a malicious wireless device to surreptitiously program one of the devices. Accordingly, the auto-configuration process is started manually by a user on all devices.
3. When one of the connected devices is removed from the HOUSEHOLD, it can no longer access to the network. This is accomplished with a mechanism on each device that resets it to factory default configuration (e.g., erases WEP keys and other private information).
4. It must be possible for the user to validate that they have correctly configured the right devices and that no other devices have been joined to the network. In one embodiment, this is accomplished with a validation/status user interface on the Control Point.

[0075] *Use of Public Key Cryptography.* The configuration process uses public key cryptography to exchange WEP keys and other information which must not be visible to any party sniffing the network. In one embodiment, this is accomplished in the following manner:

1. There is a designated (e.g., Sanos) certificate authority (CA), an entity that can issue signed public key certificates.

2. Each CP and ZP is factory configured with a unique certificate, public and private key, in a format that supports the RSA algorithm. The certificate is signed and issued by the designated CA, and includes a hash of the MAC address of a device.
3. CP and ZP exchange public keys and WEP keys are encrypted using the public key. In certain circumstances, the devices compare the MAC in received packets with that in the certificate to add an additional layer of security.

[0076] FIG. 4A shows a flowchart or process **400** according to one embodiment of the present invention. The process **400** may be implemented in hardware, software or a combination of both as a method, a system or a process. In one embodiment, the process **400** is implemented for a handheld controller or a computing device. To facilitate the understanding of the process **400,** the description herein is based on a handheld controller, such as the controller **308** of FIG. 3A, which shall not be considered as the limitations to the present invention.

[0077] Typically, a handheld controller (or HH) is equipped with a mechanism to allow a user to reset itself. In some implementation, the reset is simply done when the controller is powered up. At **402,** it is assumed that the controller is powered up. The process **400** goes to **404** to determine whether the controller is configured. By configuration, it means that the controller is ready for communication with other devices (e.g., zone players) that may or may not be on a network, preferably a wireless network. In the context of FIG. 3A, it means that the handheld device **308** is ready to communicate with each or all of the devices **302, 304,** and **306** (assuming that the devices **302, 304,** and **306** have not been configured yet).

[0078] It is assumed that the controller is configured, the process **400** goes to **406** where it determines whether the device is a controller or a computer. As described above, the device may be a controller, a personal computer or other type of device, although it has been assumed to be a controller. Nevertheless, in this embodiment, a step is provided to determine exactly what it is, because a controller and a computer may provide a different display or graphic environment. If the device is indeed a controller, the process **400** goes to **408,** wherein the controller shows a proper screen for a user to proceed with the control of the zone players or replay of certain audios via one or more zone players. If the device is a computer, the computer is typically loaded with a module that is now executed to display an environment (e.g., a graphic user interface or GUI) that allows a user to perform many tasks that may be done on the handheld controller in addition to other tasks that may be assisted by a pointing device (e.g., a mouse) or a keyboard.

[0079] In any case, it is assumed that the device is a controller. Referring back to **404,** it is now assumed that the device is not configured, the process **400** goes to **412** to determine if a user has activated the automatic configuration process. In one embodiment, the controller goes to "sleep" mode after a predefined time should there be no activation of the configuration process. When the user activates the configuration process, the process **400** goes **414** to determine whether the controller itself is coupled to an access point of a network, at least a member of the HOUSEHOLD (e.g., one zone player) is coupled thereto or an Ad-Hoc network. Typically, a GUI is provided for a handheld or a computer. Accordingly, a display with a relevant message is displayed. After it is certain that either the controller itself or a zone player is coupled to a network, a user may press "OK" in the displayed GUI.

[0080] At **418,** should the user desire to start the automatic configuration process now, the user activates the process manually. In one embodiment, there are two

buttons, labeled respectively as "VOL" and "Mute". When these two buttons are pressed at the same time, the automatic configuration process starts. The process **400** goes to **420** to determine whether a valid response is received from a zone player. If not, after a certain time **422,** the process **400** goes back to **418** to reactivate the process or **414** via **424** to remind the user to ensure that the required connection is placed.

[0081] In one embodiment, a handheld controller is configured to facilitate a new zone player to execute a household join process to join the HOUSEHOLD upon an appropriate channel. The channel may be agreed upon between the controller and the zone player as follows:

1) when a reset or two buttons are pushed on the ZonePlayer to 'activate' the household join process, it starts a scan through the available wireless channels, sending the "Alive" datagram for each channel in turn. Sometimes, it cycles through the channels several times;
2) as soon as the ZonePlayer receives a QueryNetParams request address to itself, it stops the channel cycling; and
3) The ZonePlayer remains locked on whatever channel it has stopped cycling until a successful sequence ending in the configuration of the ZonePlayer (at which point it uses the specified channel), or a timeout expires (at which point it returns to its original channel or resumes cycling through channels and sending alive messages if the overall timeout for the activation process has not expired).

[0082] Although the Zone Player performs the channel cycling, the controller may also be configured to perform the channel cycling as well. However, when the controller is, for example, a personal computer, the Zone Player is typically configured to cycle through the available channels.

[0083] In any case, when a valid response is received from the zone player, the process **400** determines whether the zone player provides its own network name (e.g., HHID) at **426.** If the zone player does not have an HHID, which means that the zone player is to be added into a wireless network named after an HHID provided by the device, the process **400** goes to **428** to instruct the zone player to join the wireless network. If the zone player does have an HHID, which means that the device itself is to be added into the wireless network named after the HHID provided by the zone player, the process **400** goes to **430** to exit.

[0084] The automatic configuration process, as described above, is executed. After it is completed, a message or an indication of completion is displayed. After the user acknowledges at **434,** the user is offered to name the zone player, for example, "Dinning" which means that the zone player is in the dinning room. Subsequently, the process **400** goes to **406.**

[0085] For completeness, FIG. 4B shows a flowchart or process **450** that may be also implemented in hardware, software or a combination of both as a method, a system or a process. In one embodiment, the process **450** is implemented for a zone player. To facilitate the understanding of the process **450,** the description herein is based on a zone player, such as the player **302** of FIG. 3A, which shall not be considered as the limitations to the present invention.

[0086] When a zone player is powered up, the process **450** determines whether the zone player is already registered or configured at **452.** There are situations in which the zone player just obtained by a user is already configured, for example, the zone player is a used one (i.e., previously configured). If it is indeed configured, the process **450** goes to **454** where an indication of "registered" is shown. If the zone player is never

configured, the process **450** goes to **456** to indicate such. It is assumed that the zone player works normally at **458** (e.g., through an internal checkup).

[0087] At **460,** a user activates the automatic configuration process by, for example, pressing two buttons, labeled respectively as "VOL" and "Mute", at the same time. The automatic configuration process starts by sending out an Alive message at 462 as described above. At **464,** the zone player awaits a response. If no response is received within or beyond a predefined time, the process **450** goes to **466 or 458** to continue waiting for a response or restart the process. It is assumed that there is a response, and the automatic configuration process continues as shown in FIG. 3B without failure, the process goes to **468** where the zone player is now part of the wireless network named after an HHID received either from a configured device or provided by itself.

[0088] There are numerous functions, benefits and advantages in the present invention. One of them is that the present invention provides techniques for automatically configuring parameters of a device to be coupled to an Ad-hoc network, where the Ad-hoc network forming by a group of devices can be wireless, wired or a combination of both. By way of the present invention, a system including a set of zone players and one or more controllers operates correctly and does not interfere with any existing network. Other functions, benefits and advantages can be appreciated from the detailed description provided above.

[0089] The present invention has been described in sufficient details with a certain degree of particularity. It is understood to those skilled in the art that the present disclosure of embodiments has been made by way of examples only and that numerous changes in the arrangement and combination of parts may be resorted without departing from the spirit and scope of the invention as claimed. Accordingly,

the scope of the present invention is defined by the appended claims rather than the foregoing description of embodiments.

Remarks

Applicant respectfully requests that the Examiner enter this Preliminary Amendment before examination, in which Applicant inserts material into the specification that is incorporated by reference in this application, in accordance with 37 CFR 1.57(g). In particular, the inserted material can be found at least at p. 12, lines 15-19 of provisional application 60/577,284, the entirety of which has been incorporated by reference on the filing date of this application. No new matter has been added by way of these amendments.

Should the Examiner wish to discuss this case, the Examiner is encouraged to call the undersigned at (312) 754-9315.

Respectfully submitted,

LEE SULLIVAN SHEA & SMITH LLP

Date: September 11, 2020

By: /Brandon J. Kennedy/
Brandon J. Kennedy
Reg. No. 67,894

Amendment to the Specification

- Please insert the following new paragraph into the specification immediately after current paragraph **[0039]** and update all subsequent paragraph numbers:

[0040] In one embodiment, a user creates a zone group including at least two zone players from the controller **240** that sends signals or data to one of the zone players. As all the zone players are coupled on a network, the received signals in one zone players can cause other zone players in the group to be synchronized so that all the zone players in the group playback an identical audio source or a list of identical audio sources in a timely synchronized manner. Similarly, when a user increases the audio volume of the group from the controller, the signals or data of increasing the audio volume for the group are sent to one of the zone players and causes other zone players in the group to be increased together in volume and in scale.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
17/018,401	09/11/2020	Nicholas A.J. Millington	05-0601-CON0920

CONFIRMATION NO. 6116

135176
LS3 Sonos
Lee Sullivan Shea & Smith LLP
656 W. Randolph St.
Floor 5W
Chicago, IL 60661

FORMALITIES LETTER

OC000000120084458

Date Mailed: 09/23/2020

NOTICE TO FILE CORRECTED APPLICATION PAPERS

Filing Date Granted

An application number and filing date have been accorded to this application. The application is informal since it does not comply with the regulations for the reason(s) indicated below. Applicant is given **TWO MONTHS** from the date of this Notice within which to correct the informalities indicated below. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

The required item(s) identified below must be timely submitted to avoid abandonment:

- A substitute specification excluding claims in compliance with 37 CFR 1.52, 1.121(b)(3), and 1.125 is required. The substitute specification must be submitted with markings and be accompanied by a clean version (without markings) as set forth in 37 CFR 1.125(c) and a statement that the substitute specification contains no new matter (see 37 CFR 1.125(b)). Since a preliminary amendment was present on the filing date of the application and such amendment is part of the original disclosure of the application, the substitute specification must include all of the desired changes made in the preliminary amendment. See 37 CFR 1.115 and 1.215.

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

Replies must be received in the USPTO within the set time period or must include a proper Certificate of Mailing or Transmission under 37 CFR 1.8 with a mailing or transmission date within the set time period. For more information and a suggested format, see Form PTO/SB/92 and MPEP 512.

Replies should be mailed to:

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web, including a copy of this Notice and selecting the document description "Applicant response to Pre-Exam Formalities Notice". https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at http://www.uspto.gov/ebc.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/wtsige/

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Attorney Docket No. 05-0601-CON0920)

First Named Inventor:	)	
	)	
Nicholas A.J. Millington	)	
	)	Confirmation No.: 6116
Serial No.: 17/018,401	)	
	)	Art Unit: TBD
Filed: September 11, 2020	)	
	)	Examiner: TBD
Title: Playback Device Connection	)	

RESPONSE TO NOTICE TO FILE CORRECTED APPLICATION PAPERS

In response to the Notice to File Corrected Application Papers mailed on September 23, 2020, please consider the following remarks.

Remarks begin on page 2 of this paper.

Applicant believes that all fees required for the present Response have been filed during the electronic filing process. Applicant authorizes the Office to charge any underpayment or credit any overpayment to Deposit Account No. 506632, and to treat any filing in this matter that requires an extension of time as incorporating a request for the extension.

REMARKS

As requested by the Office, Applicant provides herewith a substitute specification including all of the changes made in the preliminary amendment that was present on the filing date of this application. Pursuant to 37 CFR 1.125(c), both marked-up and clean copies of the substitute specification accompany this response. The substitute specification contains no new matter.

If there are any questions or comments regarding this filing, the Examiner is encouraged to contact the undersigned attorney at (312) 754-9315.

Respectfully submitted,

Dated: September 28, 2020

By: /Brandon J. Kennedy/
Brandon J. Kennedy
Reg. No. 67,894

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
17/018,401	09/11/2020	Nicholas A.J. Millington	05-0601-CON0920

CONFIRMATION NO. 6116

135176
LS3 Sonos
Lee Sullivan Shea & Smith LLP
656 W. Randolph St.
Floor 5W
Chicago, IL 60661

FORMALITIES LETTER

OC000000120084458

Date Mailed: 09/23/2020

NOTICE TO FILE CORRECTED APPLICATION PAPERS

Filing Date Granted

An application number and filing date have been accorded to this application. The application is informal since it does not comply with the regulations for the reason(s) indicated below. Applicant is given **TWO MONTHS** from the date of this Notice within which to correct the informalities indicated below. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

The required item(s) identified below must be timely submitted to avoid abandonment:

- A substitute specification excluding claims in compliance with 37 CFR 1.52, 1.121(b)(3), and 1.125 is required. The substitute specification must be submitted with markings and be accompanied by a clean version (without markings) as set forth in 37 CFR 1.125(c) and a statement that the substitute specification contains no new matter (see 37 CFR 1.125(b)). Since a preliminary amendment was present on the filing date of the application and such amendment is part of the original disclosure of the application, the substitute specification must include all of the desired changes made in the preliminary amendment. See 37 CFR 1.115 and 1.215.

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

Replies must be received in the USPTO within the set time period or must include a proper Certificate of Mailing or Transmission under 37 CFR 1.8 with a mailing or transmission date within the set time period. For more information and a suggested format, see Form PTO/SB/92 and MPEP 512.

Replies should be mailed to:

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web, including a copy of this Notice and selecting the document description "Applicant response to Pre-Exam Formalities Notice". https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at http://www.uspto.gov/ebc.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/wtsige/

Application for a United States Patent United States Patent and Trademark Office

Title: Playback Device Connection

Inventor(s): Nicholas A.J. Millington
Paul V. Hainsworth

Assignee: Sonos, Inc.
614 Chapala St.
Santa Barbara, CA 93101

CROSS REFERENCE TO RELATED APPLICATIONS

[0000] This application is a continuation of U.S. App. 16/746,294, filed on January 17, 2020, which is a continuation of U.S. App. 16/298,515, filed on March 11, 2019 and issued on Jan. 21, 2020 as U.S. Pat. 10,541,883, which is a continuation of U.S. App. 15/091,113, filed on Apr. 5, 2016, which is a continuation of U.S. App. 14/486,667, filed on Sep. 15, 2014 and issued on Jan. 9, 2018, as U.S. Pat. 9,866,447, which is a continuation of U.S. App. 13/618,829, filed on Sep. 14, 2012 and issued Oct. 21, 2014, as U.S. Pat. 8,868,698, which is a continuation of U.S. App. 11/147,116 filed on Jun. 6, 2005 and issued Dec. 4, 2012, as U.S. Pat. 8,326,951, which claims priority to provisional application 60/577,284 filed Jun. 5, 2004, which is now expired. Each of the applications listed above is hereby incorporated by reference in its entirety.

BACKGROUND

Field of the Invention

[0001] The invention is generally related to the area of multimedia technologies in consumer electronics industry. More particularly, the invention is related to techniques for connecting various devices to a network for secure communications with a minimum of human interaction and technical ability.

The Background of Related Art

[0002] Consumer electronics devices that operate using wireless or wired Ethernet standards are often subject to the same complicated set-up process as a wireless computer network. Typically, the person who sets up the wireless network must have at least some knowledge about IP (Internet Protocol) networking and Ethernet (e.g., 802.3, 802.11), such as addressing, security, broadcast, unicast, etc. Such a skill requirement is generally acceptable for computer-to-computer networks, which is typically done by an IT professional. However, it is impractical to require average consumers to have such knowledge to hook up consumer electronic devices, such as home entertainment products that use wireless/wired Ethernet connectivity.

[0003] FIG. 5 shows an exemplary setting **500** for connecting a computer to a wireless network. The setting **500** is typically displayed when a user is ready to connect the computer to a wireless network so that the user can enter relevant information in the setting **500.** Although the setting **500** requires very little information to make the computer connected to the network, the information is relatively technical to the average consumers. First, the user has to know what type of network the computer is going to be connected to. There are two choices **502,** Access Point (infrastructure) and Computer-to-computer (Ad Hoc). The distinction between these two types of network is a common knowledge to the IT professionals yet can be a difficult question to the average consumers. Further even if the user knows the difference, there are more questions or options related to the security settings in **504,** which evidently requires some good understanding about the network security over the wireless network.

[0004] For home entertainment products, there is a clear need to create simple methods of setting up and maintaining a secure wireless/wired in-home network with minimum human interventions.

SUMMARY OF THE INVENTION

[0005] This section is for the purpose of summarizing some aspects of the present invention and to briefly introduce some preferred embodiments. Simplifications or omissions in this section as well as in the abstract or the title of this description may be made to avoid obscuring the purpose of this section, the abstract and the title. Such simplifications or omissions are not intended to limit the scope of the present invention.

[0006] In general, the present invention pertains to techniques for automatically configuring necessary parameters of a device to be coupled to a network. According to one aspect of the present invention, an Ad-hoc (wireless or wired) network is established to facilitate communications among a group of devices. When a new device

is added to the network, a rudimentary communication path is initially established between one of the devices in the network ("first device") and the new device ("second device") such that necessary parameters (e.g., SSID, WEP security, channel frequency) can be exchanged for the second device to function properly in the network. To ensure the parameters are exchanged in a secure fashion, an additional public security procedure can be used between the two devices.

[0007] According to another aspect of the present invention, a first device that may be or may not be the device in the network broadcasts a message including probing datagrams in compliance with the standard IP broadcast. The rudimentary communication path may be established after the second device responds to the message from the first device. According to yet another aspect of the present invention, such an automatic configuration process is only started when a user is indeed ready to do so. In general, a mechanism is provided and accessible by the user to activate the process. As such, no incident or unwanted configuration process could be initiated without the approval of the user. In one embodiment, the second device is equipped with two buttons that must be pressed simultaneously to activate the automatic configuration process.

[0008] The necessary parameters in the second device are subsequently configured in several exchanges of messages with the first device. At least some of the messages are encrypted. As a result, the second device is automatically configured to operate correctly in the network with a minimum of human intervention and technical ability. In an exemplary application of the present invention for an audio system with a controller and multiple zone players, an Ad-hoc network is formed among the controller and the zone players, where the network may be wired or wireless or a mixture of both. In one case, either a handheld controller or a zone player (referred to as an access device) is coupled to an access point of a LAN. An Ad-hoc network can be thus formed based on the access device. The remaining (unconfigured) zone players may be coupled to the network whenever desired, all with minimum human intervention. As a

result, any one of the zone players may communicate with each other to share or distribute audio sources available on the Internet and reproduce sounds together or separately.

[0009] The present invention may be implemented in many forms including software, hardware or a combination of both as method, process, or system. According to one embodiment of the present invention, the present invention is a method for providing a first device and a second device for the network, activating the second device intentionally to automatically configure necessary parameters with the first device, establishing automatically a rudimentary communication path between the first device and the second device by scanning all available transmission channels allocated in accordance with a protocol; and exchanging messages between the first device and the second device over the rudimentary communication path till the second device is fully operating with the first device.

[0010] According to another embodiment of the present invention, the present invention is a system for establishing a network for a group of devices, the system comprises at least one of the devices provided to remotely control operations of one or more of the other devices, one of the devices (hereinafter "first device") configured to establish automatically respective rudimentary communication paths for probing communication, each of the rudimentary communication paths being with one of the other devices, wherein an automatic configuration process takes place only in one of the other devices after the user authorizes the one of the other devices to start the automatic configuration process, and wherein the automatic configuration process causes several messages to be exchanged between the first device and one of the other devices, some of the messages carry information pertaining to an appropriate

transmission channel, an identifier of the network and a security key for subsequent communication, the some of the messages are encrypted.

[0011] According to yet another embodiment of the present invention, the present invention is a system for establishing a network for a group of devices, the system comprises a plurality of zone players, each equipped with a mechanism that is once manually activated by a user, an automatic configuration process starts, wherein one of the zone players is coupled to a local area network as an access device; and at least a controller provided to remotely control operations of one or more of the zone players, wherein the access device establishes automatically respective rudimentary communication paths, each with the controller or one of the remaining zone players, the automatic configuration process takes places in the controller and each of the remaining zone players after the user manually activates the automatic configuration process respectively in the controller and each of the remaining z ne players, and wherein the automatic configuration process causes several messages to be exchanged between the access device and any one of the controller and the remaining zone players that have been activated for the automatic configuration process, some of the messages carry information pertaining to a transmission channel, an identifier of the network and a security key for subsequent communication, at least some of the messages are encrypted.

[0012] According to still another embodiment of the present invention, the present invention is a software product to be executable in a device for establishing a network for a group of devices, the software product comprises program code for activating a second device, when requested, to automatically configure necessary parameters with a first device, program code for establishing automatically a rudimentary communication path with the first device by scanning all available transmission channels allocated in accordance with a protocol, and program code for exchanging messages between the

first device and the second device over the rudimentary communication path till the second device is fully operating with the first device.

[0013] According to still another embodiment of the present invention, the present invention is a method for establishing a network for a group of devices, the method comprises providing a plurality of zone players, each equipped with a mechanism that once is manually activated by a user, an automatic configuration process starts, wherein at least a controller is provided to remotely control operations of one or more of the zone players; coupling one of the zone players to a local area network as an access device; establishing automatically respective rudimentary communication paths with the access device, each of paths being with the controller or one of the remaining zone players, wherein the automatic configuration process takes place in the controller and each of the remaining zone players after the user manually activates the automatic configuration process respectively in the controller and each of the remaining zone players, and exchanging several messages between the access device and any one of the controller and the remaining zone players that have been activated for the automatic configuration process, wherein some of the messages carry information pertaining to a transmission channel, an identifier of the network and a security key for subsequent communication, and at least some of the messages are encrypted.

[0014] One of the objects, features, and advantages of the present invention is to provide techniques that facilitate automatic configuration of devices to be coupled to a network with minimum human intervention.

[0015] Other objects, features, and advantages of the present invention will become apparent upon examining the following detailed description of an embodiment thereof, taken in conjunction with the attached drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

[0016] These and other features, aspects, and advantages of the present invention will become better understood with regard to the following description, appended claims, and accompanying drawings where:

[0017] FIG. 1 shows an exemplary configuration in which the present invention may be practiced;

[0018] FIG. 2A shows an exemplary functional block diagram of a player in accordance with the present invention;

[0019] FIG. 2B shows an example of controllers that may be used to remotely control one of more players of FIG. 1;

[0020] FIG. 2C shows an exemplary internal functional block diagram of a controller in accordance with one embodiment of the present invention;

[0021] FIG. 3A shows three zone players and a controller that form an Ad-Hoc network as an example to facilitate the description of an automatic configuration process contemplated in the present invention;

[0022] FIG. 3B shows an embodiment that involves a process of five exchanges of data;

[0023] FIG. 4A shows a flowchart or process according to one embodiment of the present invention;

[0024] FIG. 4B shows another flowchart or process according to one embodiment of the present invention; and

[0025] FIG. 5 shows an exemplary setting for connecting a computer to a wireless network.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

[0026] The present invention pertains to techniques for automatically configuring necessary parameters of a device to be coupled to a network with minimum human intervention. According to one aspect of the present invention, a wired and/or wireless Ad-hoc network is established to facilitate communications among a group of devices. According to one aspect of the present invention, when a new device is added to the network, a rudimentary communication path is initially established between one of the devices ("first device") in the network and the new device ("second device") such that necessary parameters (e.g., SSID, WEP security, channel frequency) can be exchanged for the new device to function properly in the network. To ensure the parameters are exchanged in a secure fashion, an additional public security procedure can be used between the two devices.

[0027] The detailed description of the present invention is presented largely in terms of procedures, steps, logic blocks, processing, or other symbolic representations that directly or indirectly resemble the operations of devices or systems that can be used on networks. These descriptions and representations are typically use by those skilled in the art to most effectively convey the substance of their work to others skilled in the art.

[0028] Reference herein to "one embodiment" or "an embodiment" means that a particular feature, structure, or characteristic described in connection with the embodiment can be included in at least one embodiment of the invention. The appearances of the phrase "in one embodiment" in various places in the specification

are not necessarily all referring to the same embodiment, nor are separate or alternative embodiments mutually exclusive of other embodiments. Further, the order of blocks in process flowcharts or diagrams or the use of sequence numbers representing one or more embodiments of the invention do not inherently indicate any particular order nor imply any limitations in the invention.

[0029] Embodiments of the invention are discussed herein with reference to an audio system with multi-zone capability. However, those skilled in the art will readily appreciate that the detailed description given herein with respect to the audio system is for explanatory purposes as the invention extends beyond these limited embodiments.

[0030] Referring now to the drawings, in which like numerals refer to like parts throughout the several views. FIG. 1 shows an exemplary configuration **100** in which the present invention may be practiced. The configuration may represent, but not be limited to, a part of a residential home, a business building or a living complex with multiple zones. There are a number of multimedia players of which three examples **102, 104** and **106** are shown as audio devices. Each of the audio devices may be installed or provided in one particular area or zone and hence referred to as a zone player herein.

[0031] As used herein, unless explicitly stated otherwise, a track and an audio source are used interchangeably, an audio source or audio sources are in digital format and can be transported or streamed across a data network. To facilitate the understanding of the present invention, it is assumed that the configuration **100** represents a home. Thus, the zone player **102** and **104** may be located in two of the bedrooms respectively while the zone player **106** may be installed in a living room. All of the zone players **102, 104** and **106** are coupled directly or indirectly to a data network **108.** In addition, a computing device **110** is shown to be coupled on the network **108.** In

reality, any other devices such as a home gateway device, a storage device, or an MP3 player may be coupled to the network **108** as well.

[0032] The network **108** may be a wired network, a wireless network or a combination of both. In one example, all devices including the zone players **102, 104** and **106** are coupled to the network **108** by wireless means based on an industry standard such as IEEE 802.11. In yet another example, all devices including the zone players **102, 104** and **106** are part of a local area network that communicates with a wide area network (e.g., the Internet).

[0033] All devices on the network **108** may be configured to download and store audio sources or receive streaming audio sources. For example, the computing device **110** can download audio sources from the Internet and store the downloaded sources locally for sharing with other devices on the Internet or the network **108.** The zone player **106** can be configured to receive streaming audio source and share the source with other devices. Shown as a stereo system, the device **112** is configured to receive an analog source (e.g., from broadcasting) or retrieve a digital source (e.g., from a compact disk). The analog sources can be converted to digital sources. In accordance with the present invention, all audio sources, regardless of where they are located or how they are received, may be shared among the devices on the network **108.**

[0034] Any device on the network **108** may be configured to control operations of the zone players **102, 104** and **106.** In particular, one or more controlling devices **140** and **142** are used to control zone players **102, 104** and **106** as shown in FIG. 1. The controlling devices **140** and **142** are preferably portable and remotely control the zone players via wireless means (e.g., infrared, radio, wireless standard IEEE 802.11b or 802.11g). In one embodiment, besides controlling an individual zone player, the controlling device **140 or 142** is configured to manage audio sources and other

characteristics of all the zone players regardless where the controlling device **140** or **142** is located in a house or a confined living complex.

[0035] Referring now to FIG. 2A, there is shown an exemplary functional block diagram of a zone player **200** in accordance with the present invention. The zone player **200** includes a network interface **202,** a processor **204,** a memory **206,** an audio processing circuit **210,** a digital signal processing module **212,** and an audio amplifier **214.** The network interface **202** facilitates a data flow between a data network (i.e., the data network **108** of FIG. 1) and the zone player **200** and typically executes a special set of rules (i.e., a protocol) to send data back and forth. One of the common protocols is TCP/IP (Transmission Control Protocol/Internet Protocol) commonly used in the Internet. In general, a network interface manages the conversion of an audio source or file into smaller packets that are transmitted over the data network or reassembles received packets into the original source or file. In addition, the network interface **202** handles the address part of each packet so that it gets to the right destination or intercepts packets destined for the zone player **200.**

[0036] The network interface **202** may include either one or both of a wireless interface **216** and a wired interface **217.** The wireless interface **216,** also referred to as a RF interface, provides network interface functions by a wireless means for the zone player **200** to communicate with other devices in accordance with a communication protocol (such as the wireless standard IEEE 802.11a, 802.11b or 802.119). The wired interface **217** provides network interface functions by a wired means (e.g., an Ethernet cable). Depending on implementation, each of the zone players may be equipped with either one or both of the interfaces **216 or 217.** In one embodiment, a zone player, referred to as an access zone player, including both of the interfaces **216** and **217** is coupled to an access point of an LAN and communicates with other zone players wirelessly. Thus these other zone players may communicate with other devices on a

network or retrieve audio sources via the access zone player. The processor **204** is configured to control the operation of other parts in the zone player **200.** The memory **206** may be loaded with one or more software modules that can be executed by the processor **204** to achieve desired tasks.

[0037] The audio processing circuit **210** resembles most of the circuitry in an audio playback device and includes one or more digital-to-analog converters (DAC), an audio preprocessing part, an audio enhancement part or a digital signal processor and others. In operation, when an audio source (e.g., audio source) is retrieved via the network interface **202,** the audio source is processed in the audio processing circuit **210** to produce analog audio signals. The processed analog audio signals are then provided to the audio amplifier **214** for playback on speakers. In addition, the audio processing circuit **210** may include necessary circuitry to process analog signals as inputs to produce digital signals for sharing with other devices on a network.

[0038] Depending on an exact implementation, the digital signal processing module **212** may be implemented within the audio processing circuit **210** or as a combination of hardware and software. The audio amplifier **214** is typically an analog circuit that powers the provided analog audio signals to drive one or more speakers.

[0039] Referring now to FIG. 28, there is shown an example of a controller **240,** which may correspond to the controlling device **140 or 142** of FIG. 1. The controller **240** may be used to facilitate the control of multi-media applications, automation and others in a living complex. In particular, the controller **240** is configured to facilitate a selection of a plurality of audio sources available on the network, controlling operations of one or more zone players (e.g., the zone player **200)** through a RF interface corresponding to the wireless interface **216** of FIG. 2A. According to one embodiment, the wireless means is based on an industry standard (e.g., infrared, radio, wireless standard IEEE

802.11 a, 802.11b or 802.11g). When a particular audio source is being played in the zone player **200,** a picture, if there is one, associated with the audio source may be transmitted from the zone player **200** to the controller **240** for display. In one embodiment, the controller **240** is used to select an audio source for playback. In another embodiment, the controller **240** is used to manage (e.g., add, delete, move, save, or modify) a playlist.

[0040] In one embodiment, a user creates a zone group including at least two zone players from the controller 240 that sends signals or data to one of the zone players. As all the zone players are coupled on a network, the received signals in one zone players can cause other zone players in the group to be synchronized so that all the zone players in the group playback an identical audio source or a list of identical audio sources in a timely synchronized manner. Similarly, when a user increases the audio volume of the group from the controller, the signals or data of increasing the audio volume for the group are sent to one of the zone players and causes other zone players in the group to be increased together in volume and in scale.

[0041] The user interface for the controller **240** includes a screen **242** (e.g., a LCD screen) and a set of functional buttons as follows: a "zones" button **244,** a "back" button **246,** a "music" button **248,** a scroll wheel **250,** "ok" button **252,** a set of transport control buttons **254,** a mute button **262,** a volume up/down button **264,** a set of soft buttons **266** corresponding to the labels **268** displayed on the screen **242.**

[0042] The screen **242** displays various screen menus in response to a selection by a user. In one embodiment, the "zones" button **244** activates a zone management screen or "Zone Menu" to allow a user to group players in a number of desired zones so that the players are synchronized to play an identical playlist or tracks. The "back" button **246** may lead to different actions depending on the current screen. In one embodiment, the "back" button triggers the current screen display to go back to a previous one. In another embodiment, the 'back" button negates the user's erroneous selection. The "music" button

248 activates a music menu, which allows the selection of an audio source (e.g., a song track) to be added to a playlist (e.g., a music queue) for playback.

[0043] The scroll wheel **250** is used for selecting an item within a list, whenever a list is presented on the screen **242.** When the items in the list are too many to be accommodated in one screen display, a scroll indicator such as a scroll bar or a scroll arrow is displayed beside the list. When the scroll indicator is displayed, a user may rotate the scroll wheel **250** to either choose a displayed item or display a hidden item in the list. The "ok" button **252** is use to confirm the user selection on the screen **242** or activate a playback of an item.

[0044] There are three transport buttons **254,** which are used to control the effect of the currently playing track. For example, the functions of the transport buttons may include play/pause and forward/rewind a track, move forward to the next track, or move backward to the previous track. According to one embodiment, pressing one of the volume control buttons such as the mute button **262** or the volume up/down button **264** activates a volume panel. In addition, there are three soft buttons **266** that can be activated in accordance with the labels **268** on the screen **242.** It can be understood that, in a multi-zone system, there may be multiple audio sources being played respectively in more than one zone players. The music transport functions described herein shall apply selectively to one of the sources when a corresponding zone player is selected.

[0045] FIG. 2C illustrates an internal functional block diagram of an exemplary controller **270,** which may correspond to the controller **240** of FIG. 2B. The screen **272** on the controller **270** may be a LCD screen. The screen **272** communicates with and is commanded by a screen driver **274** that is controlled by a microcontroller (e.g., a processor) **276.** The memory **282** may be loaded with one or more application modules **284** that can be executed by the microcontroller **276** with or without a user input via the user interface **278** to achieve desired tasks. In one embodiment, an application module

is configured to facilitate automatic establishment of a wireless connection with a network or another device. In another embodiment, an application module is configured to facilitate automatically configuring itself after communicating with another configured device. It should be noted that similar application modules may also be included in the memory 206 of FIG. 2A. As a result, either a zone player or a controller may be automatically configured to communicate over a network, provided such an automatic configuration is intended by a user.

[0046] The controller **270** includes a network interface **280** referred to as a RF interface **280** that facilitates wireless communication with a zone player via a corresponding wireless interface or RF interface thereof. The controller **270** may control one or more zone players, such as **102, 104** and **106** of FIG. 1. Nevertheless, there may be more than one controllers, each preferably in a zone (e.g., a room) and configured to control any one and all of the zone players.

[0047] It should be pointed out that the controller **240** in FIG. 2B is not the only controlling device that may practice the present invention. Other devices that provide the equivalent control functions (e.g., a computing device, a PDA, a hand-held device, and a laptop computer) may also be configured to practice the present invention. In the above description, unless otherwise specifically described, it is clear that keys or buttons are generally referred to as either the physical buttons or soft buttons, enabling a user to enter a command or data.

[0048] It is assumed that a user has obtained an audio system that includes a set of zone players and a controller. Although it is possible to connect each of the zone players and the controller to a network, the requirement for extra network cards, cables and a hub/switch/router makes the idea unattractive. The introduction of wireless networking has allowed for an implementation without these requirements. FIG. 3A shows that there are three zone players **302, 304** and **306** and a controller **308** that form a network branch that is also referred to as an Ad-Hoc network **310.** In one

embodiment, the network **310** is pure wireless. In another embodiment, the network **310** is wired or a combination of wired and wireless. In general, an Ad-Hoc (or "spontaneous") network is a local area network or other small network in which there is no one access point for all traffics. With an established Ad-Hoc network, the devices **302, 304, 306** and **308** can all communicate with each other in 'peer-to-peer' style of communication. Furthermore, any device may come/go from the network and the network will automatically reconfigure itself without needing the user to reconfigure the network.

[0049] By the Ad-Hoc network **310,** the devices **302, 304, 306** and **308** may share or exchange one or more audio sources and be grouped to play identical or different audio sources. For example, the devices **302** and **304** are grouped to play back one piece of music, and at the same time, the device **306** plays back another piece of music. In other words, the devices **302, 304, 306** and **308** as shown in FIG. 3A form a HOUSEHOLD that distribute audio and/or reproduce sound. As used herein, the term HOUSEHOLD (always in caps to disambiguate from the user's domicile) is used to represent a collection of networked devices that are cooperating to provide an application or service. An instance of a HOUSEHOLD is identified with a Household ID (or HHID).

[0050] In one embodiment, an HHID is a short string or an identifier that is computer-generated to ensure that it is unique. Accordingly, the network **310** may be characterized by a unique HHID and a unique set of configuration variables or parameters, such as Channels (i.e., respective frequency bands), SSID (a sequence of alphanumeric characters as a name of a wireless network), and WEP keys (wired equivalent privacy, or simply security keys). In one embodiment, SSID is simply set to be the same as HHID. One of the aspects of the present invention is to provide a bootstrap procedure that enables automatic and simple establishment of these configuration parameters in each device within a HOUSEHOLD to enable communications among the devices.

[0051] In general, each HOUSEHOLD includes two types of network nodes:

- Control Point (CP) - it controls the overall network setup process and sequencing, including an automatic generation of required network parameters (e.g., WEP keys). In one embodiment, it also provides the user with a HOUSEHOLD configuration user interface. The CP function is typically provided by a computer running a CP application module, or by a handheld controller (e.g., the controller **308)** also running CP application module.
- Zone Player (ZP) - the ZP is any other device on the network that is placed to participate in the automatic configuration process. It should be noted that ZP, as a notation used herein, includes the controller **308** or a computing device.

[0052] The configuration of a HOUSEHOLD involves multiple CP's and ZP's that rendezvous and establish a known configuration such that they can use standard networking protocol (e.g., IP over Wired or Wireless Ethernet) for communication. In one embodiment, there are two types of networks/protocols: Ethernet - 802.3 and Wireless - 802.11g. Interconnections between a CP and a ZP may use either one of the networks/protocols. A device in the system as a member of a HOUSEHOLD may• connect to both networks simultaneously. In an environment that has both networks in use, it is assumed that at least one device in a system is connected to both as a bridging device, thus providing bridging services between wired/wireless networks for others. The zone player **306** in FIG. 3A is shown to be connected to both networks, for example, the connectivity to the network **312** is based on Ethernet while the connectivity to other devices **302, 304** and **308** is based on Wireless.

[0053] *Establishing a rudimentary communication path.* In reference to FIG. 3A, a zone player is not yet a member of a HOUSEHOLD. It is assumed that the zone player is to be added to become a member of the HOUSEHOLD by a cable or wireless. When the zone player is initially turned on, it executes an embedded module that is configured

to establish a rudimentary communication path with another device (network-enabled). The rudimentary communication path facilitates the automatic configuration of the zone player via the another device. This communication path may operate over wireless and/or Ethernet protocols, as the zone player may be connected to one or both. In operation, the communication path does not cause negative effects on other devices in the vicinity and can reach all other members of the HOUSEHOLD (both CP's and ZP's) if there are any. It should also be noted that the communication path does not have to be direct between two devices and may be bridged by one or more other devices. Because the communication path is only used for initial device configuration, it does not require significant performance or sophisticated functionality. There are at least two elements to establish the communication path: channel selection and packet exchange.

[0054] *Channel Selection.* The selection of an appropriate (RF) transmission channel or simply channel is primarily an exercise in two constraints: finding a channel that is quiet from a protocol (e.g., 802.11) viewpoint, i.e., minimal conflicting wireless traffic, and finding a channel that is quiet from an RF viewpoint, i.e., minimal noise from other signals. Both of these tests may be applied because typically a home environment may have other RF (e.g., 2.4GHz) traffic or potentially other wireless access points. It is generally desirable to use a channel that is free from other RF interference. In any case, it is always desirable to avoid other wireless traffic.

[0055] Channel selection is typically accomplished with a scanning technique, namely the device listens on each channel for a period of time, looking for the presence of wireless beacons and other RF signals. In one embodiment, devices that are configured have a preferred channel for the HOUSEHOLD, devices that are not configured have a pre-defined (default) channel or channels that they rendezvous on. For example, 802.11b/g channel 1 could be pre-configured as the default channel. Alternatively, multiple channels, with a well-known frequency hopping sequence, could be used by the devices (this would require an aperiodic frequency change interval).

[0056] Many hardware configurations only support reception/transmission on a single channel at a given time. Also there are configured and unconfigured devices that may use different channels for the bootstrap configuration and standard network operations (post-configuration communications). According to one embodiment, it is necessary to forcibly put the devices in a "configuration" mode, whereby they use the appropriate channels for communication.

[0057] *Packet Exchange.* To enable communication between devices that are not part of the same HOUSEHOLD, a packet exchange network infrastructure is developed. Probing messages are sent in such a way that they traverse both the Ethernet and wireless networks, reaching any connected devices. Devices that are already in a HOUSEHOLD constitute a network infrastructure that can be used to exchange unicast and multicast/broadcast network frames between the devices. A device that is not yet in the HOUSEHOLD has a much more limited networking capability and can only receive data from devices to which it is directly wired, and unencrypted messages broadcast to all wireless networks operating in a particular channel of the RF spectrum.

[0058] In general, an IP address of a new device is not known to any members of the HOUSEHOLD. If the device is purely wireless, it may not have an IP address at all, or it may have an automatically assigned IP address that is inaccessible to other devices with IP addresses respectively assigned by a DHCP server. To allow devices that are not members of the HOUSEHOLD to join the HOUSEHOLD, a transport may be constructed that can get data one "hop" beyond the HOUSEHOLD network infrastructure.

[0059] In one embodiment, packets of data are broadcasted among the members of the HOUSEHOLD. The packets of data comprise a mixture of "probe" datagrams and standard IP broadcast. For example, the 802.11 "probe" datagrams are used for the inherent ability to cross wireless network boundaries. In other words, the "probe" datagrams can be received by all listeners (i.e., other devices) on the channel, even

those that are not configured with an SSID, because they are sent to the broadcast BSS (e.g., FF:FF:FF:FF:FF:FF) to which all devices may be configured to listen. A standard IP broadcast is used on the wired network segments and the HOUSEHOLD network infrastructure to enable a PC-based controller to participate while running with standard user privileges (which allow access only to IP-based network services). Used together as described below, the combination of the "probe" datagrams and IP broadcast provides for a broadcast datagram transport that allows even devices that have not had any networking parameters configured to communicate.

[0060] In general, the probe datagrams comprise a number of elements to facilitate the configuration of other devices to join the HOUSEHOLD. In one embodiment, each of the elements carries up to 255 bytes of data. An element contains data payload for each message used by the bootstrap procedure to invite others to join the HOUSEHOLD. This element is repeated as many times as necessary to carry the complete message. In one embodiment, the IP broadcast datagrams contain the same data payload as the normal IP data payload.

[0061] Messages relating to the bootstrap procedure may be forwarded beyond the boundaries of an existing HOUSEHOLD network infrastructure (including properly configured wireless devices, and the wired network). Similarly, messages originating outside of the HOUSEHOLD network infrastructure may be forwarded into the infrastructure. This forwarding procedure may be accomplished in a mixed wireless/wired network environment without introducing a broadcast storm. A broadcast storm is a state in which a message that has been broadcast across a network results in more responses than necessary, and each response results in even more responses in a snowball effect, subsequently resulting in a network meltdown. In one embodiment, the network is carefully configured to prevent such a broadcast storm or any illegal broadcast messages. To accomplish this, two flags are included in the message body, for example, "SENT_AS_PROBE" and "SENT_AS_IP_BROADCAST". When a device receives a "probe" message, assumed using "Sonos Netstart" SSID (or the broadcast BSS, as with

all probe requests), it forwards the message as an IP broadcast message (after setting the "SENT_AS_IP_BROADCAST" flag) if the SENT_AS_IP_BROADCAST flag is not already set. Similarly, when it receives an IP broadcast with a UDP payload address to an appropriate port (e.g., port number 6969), it forwards the message as a "probe" datagram (after setting the "SENT_AS_PROBE" flag) if that flag is not already set. This allows messages related to the packet exchange both to enter and to exit the HOUSEHOLD network infrastructure without causing a broadcast storm.

[0062] Using this method of broadcast communication, packets can be sent between any member of the HOUSEHOLD and a device to join the HOUSEHOLD on both Ethernet and wireless networks. The device to join the HOUSEHOLD may be brand new and previously configured with a different network (e.g., a device with a stale configuration in a different household). In addition, if used sparingly, these broadcast messages do not interfere with the normal operation of the network or attached devices. As a result, a communication path on an agreed channel has been established between two devices.

[0063] *Device Discovery.* To minimize impact on existing networks and to improve configuration security, the system requires a user to manually activate the auto-configuration process. This is accomplished by a specific action on each device that is being added to the network. For example, if the user is installing a brand new HOUSEHOLD, containing one CP and two ZP's, the activation process may be manually activated on each by, for example, powering off and on, pushing a reset button or pushing two or more specific buttons simultaneously. In one embodiment, the CP or ZP is simply powered up by the user, which activates the pre-installed module to start the bootstrap procedure.

[0064] For a ZP:

- If the device is unconfigured (e.g., factory default settings), it will immediately go into a "sleep" mode where it is awaiting an activation command.

- If the device has been previously configured, it will attempt to contact other members of its HOUSEHOLD network.

There are situations in which a ZP is orphaned, namely it is previously configured (e.g., perhaps, with another Ad-hoc network) and now is to be added to the HOUSEHOLD (e.g., the ZP is obtained from a previous owner). In the case of an orphan scenario, the ZP may patiently attempt to contact its original network. It can be perceived that this operation will be unsuccessful but otherwise harmless. Even in this configured state, the device can participate in the rudimentary broadcast communication processes described above.

[0065] For the CP:

- If the device is unconfigured (e.g., factory default settings), it will present the user with a description of how to start the configuration process.
- If the device is configured, it will attempt to contact other members of its HOUSEHOLD network.

The CP may also be an orphaned device, in which case it performs similarly to that of the ZP.

[0066] In both cases, correctly configured devices will establish network communications and make themselves available for normal operation. All devices, including those previously configured, will enter an "activation state" when the user indicates that this is desired. At this point, the configuration process can begin.

[0067] *Device Configuration.* The configuration is carried out by exchanging data between two devices that are not necessarily directly connected. This procedure is carried over a rudimentary communication path as described previously. The sequence of exchanging the data is initiated by the user or some other process, for example, activating a reset button, to trigger the "activation" or configuration mode on the involved devices. Each device executes this sequence, and then exits the activation mode. FIG. 3B shows an embodiment that involves a process of five exchanges of data.

[0068] Each of the data exchanges is referred to as a type of message: Alive, QueryNetParams, RespondNetParams, SetNetParams, and AckNetParams, each is explained as follows:

Alive - a message indicating that a named ZP is available for configuration. The message includes at least a *zpUU/O* which is a globally unique identifier that identifies the ZP sending the message.

QueryNetParams - a request from the CP to the ZP to respond with the ZP's current network configuration information. The request includes at least a *zpUUID, cpPK* (the RSA public key of the CP) and *tid* (a unique transaction identifier).

RespondNetParams - a response to the QueryNetParams. It includes the ZP's network configuration information (HHID, WEP key and RSA public key). For security reasons, the WEP key is encrypted using the CP's public key that is only readable by the CP. The response includes at least a *zpUUID, netConfig(the* ZP's current network configuration parameters), *zpPK, and tid.* It is should be noted that a new ZP, set to factory defaults, shall have well-known parameter values, allowing the CP to determine that it is unconfigured.

SetNetParams - a command message from the CP to the ZP indicating that the ZP should reconfigure its network parameters. The WEP key is encrypted using the ZP's public key, and therefore only readable by the ZP. The command includes at least a *zpUU/O, netConfig* and *tid.* It should be noted that *netConfig* includes the new configuration parameters for the ZP, as determined by the CP. The ZP should save this value in its network configuration, in some cases, these parameters may match the ZP's existing configuration.

AckNetParams - a response to the SetNetParams messaging. The response indicates that the SetNetParams message was received and that the network configuration contained therein has been successfully applied. The response includes at least a *zpUUID* and a *tid.*

[0069] In operation, after a user activates the configuration process (on both ZP and CP) at 351 in FIG. 38. The CP enters a state where it is willing to accept an Alive

message. The CP only remains in this state for a limited (finite) period of time. The ZP enters an activation state where it attempts rendezvous with a CP. The ZP only remains in this state for a limited (finite) period of time. The ZP will periodically transmit an Alive message until it either receives a QueryNetParams message, or exits the activation state.

[0070] At **352,** the CP receives an Alive message. If the CP is in the configuration mode, it will generate a new *tid,* and send a QueryNetParams message and send to the ZP. It should be noted that the CP may or may not have been configured at this point. In either case, it sends the QueryNetParams. At **353,** if it is already in the activation state, the ZP responds to a QueryNetParams with its current network configuration. If the ZP is unconfigured (e.g., factory default settings), it will return an empty HHID and WEP key. If the ZP is previously configured, it will return its current configuration. The ZP also returns its public key such that the WEP key can be encrypted using the CP's public key.

[0071] At **354,** upon receiving the ZP's current configuration information, the CP decides on a course of action. Most, but not all, of these options result in a SetNetParams message being sent to the ZP. The matrix ofpossible situations:

	GP already configured	*GP not configured*
ZP *already configured*	The CP sends a SetNetParams message to the ZP containing the GP's current net config.	**The CP sets its own config to match the ZP config, and the config process is terminated.**
ZPnot *configured*	**The CP sends a** SetNetParams message **to the ZP containing the CP's current net config.**	**The CP generates new config parameters. The parameters are sent to the ZP in a** SetNetParams **message. The CP sets its own config to these values as well.**

[0072] At **355,** when the ZP receives a SetNetParams message, it reconfigures its own HHID and WEP key to match those contained in the network packet.

Accordingly, the GP determines that it generates new configuration parameters in accordance with the following:

- HHID - this is provided by the user via the CP user interface or automatically generated by the CP.
- SSID - this is automatically generated by the CP (e.g., set to the same value as the HHID).
- WEP Key- this is automatically generated (e.g., using a pseudo-random number generator, seeded with entropy collected by the GP).
- Channel - the GP probes the network looking for an acceptable channel (based on a variety of criteria, which may include traffic and interference from other sources).

[0073] Subsequent to the activation process, any devices that have been reconfigured will attempt to establish normal network communications using their new network configuration parameters. In all of the above steps, if the CP or ZP is not already in the activation state, receipt of any messages isignored.

[0074] If there are multiple ZP's activated simultaneously, all of the devices could execute this same sequence, independently of each other (the CP is capable of multiple independent sessions). If multiple CP's are activated, each will respond to a ZP's Alive message and will execute the sequence - the first one to deliver the SetNetParams to the ZP will configure it. It should be noted that in this case, the second CP will never get an AckNetParams message (because the ZP has exited the activate state). This will cause a transaction timeout in the second CP, at which point it will typically inform the user of the error, or retry the entire sequence. Should it retry the entire sequence, it will not reprogram the ZP (as described above that the effect of an unconfigured CP talking to a configured ZP).

[0075] *Security.* To ensure that the communication among the members in a HOUSEHOLD by wireless means is secure, there are multiple issues in the auto-configuration that are resolved in the present invention.

1. Typically, the broadcasting messages in packet exchange are unencrypted. However, it is undesirable to transmit sensitive information such as WEP keys over wireless medium without encryption. As described below, public key cryptography is used to ensure that WEP keys are distributed in a secured manner.
2. Because the network configuration process is automated and the data is transmitted over the network, it is desirable to ensure that the process is not started without the approval of the user. Specifically, it must not be possible for a malicious wireless device to surreptitiously program one of the devices. Accordingly, the auto-configuration process is started manually by a user on all devices.

3. When one of the connected devices is removed from the HOUSEHOLD, it can no longer access to the network. This is accomplished with a mechanism on each device that resets it to factory default configuration (e.g., erases WEP keys and other private information).
4. It must be possible for the user to validate that they have correctly configured the right devices and that no other devices have been joined to the network. In one embodiment, this is accomplished with a validation/status user interface on the Control Point.

[0076] *Use of Public Key Cryptography.* The configuration process uses public key cryptography to exchange WEP keys and other information which must not be visible to any party sniffing the network. In one embodiment, this is accomplished in the following manner:

1. There is a designated (e.g., Sanos) certificate authority (CA), an entity that can issue signed public key certificates.
2. Each CP and ZP is factory configured with a unique certificate, public and private key, in a format that supports the RSA algorithm. The certificate is signed and issued by the designated CA, and includes a hash of the MAC address of a device.
3. CP and ZP exchange public keys and WEP keys are encrypted using the public key. In certain circumstances, the devices compare the MAC in received packets with that in the certificate to add an additional layer of security.

[0077] FIG. 4A shows a flowchart or process **400** according to one embodiment of the present invention. The process **400** may be implemented in hardware, software or a combination of both as a method, a system or a process. In one embodiment, the process **400** is implemented for a handheld controller or a computing device. To facilitate the understanding of the process **400,** the description herein is based on a handheld controller, such as the controller **308** of FIG. 3A, which shall not be

considered as the limitations to the present invention.

[0078] Typically, a handheld controller (or HH) is equipped with a mechanism to allow a user to reset itself. In some implementation, the reset is simply done when the controller is powered up. At **402,** it is assumed that the controller is powered up. The process **400** goes to **404** to determine whether the controller is configured. By configuration, it means that the controller is ready for communication with other devices (e.g., zone players) that may or may not be on a network, preferably a wireless network. In the context of FIG. 3A, it means that the handheld device **308** is ready to communicate with each or all of the devices **302, 304,** and **306** (assuming that the devices **302, 304,** and **306** have not been configured yet).

[0079] It is assumed that the controller is configured, the process **400** goes to **406** where it determines whether the device is a controller or a computer. As described above, the device may be a controller, a personal computer or other type of device, although it has been assumed to be a controller. Nevertheless, in this embodiment, a step is provided to determine exactly what it is, because a controller and a computer may provide a different display or graphic environment. If the device is indeed a controller, the process **400** goes to **408,** wherein the controller shows a proper screen for a user to proceed with the control of the zone players or replay of certain audios via one or more zone players. If the device is a computer, the computer is typically loaded with a module that is now executed to display an environment (e.g., a graphic user interface or GUI) that allows a user to perform many tasks that may be done on the handheld controller in addition to other tasks that may be assisted by a pointing device (e.g., a mouse) or a keyboard.

[0080] In any case, it is assumed that the device is a controller. Referring back to **404,** it is now assumed that the device is not configured, the process **400** goes to **412** to determine if a user has activated the automatic configuration process. In one embodiment, the controller goes to "sleep" mode after a predefined time should there be no activation of the configuration process. When the user activates the configuration

process, the process **400** goes **414** to determine whether the controller itself is coupled to an access point of a network, at least a member of the HOUSEHOLD (e.g., one zone player) is coupled thereto or an Ad-Hoc network. Typically, a GUI is provided for a handheld or a computer. Accordingly, a display with a relevant message is displayed. After it is certain that either the controller itself or a zone player is coupled to a network, a user may press "OK" in the displayed GUI.

[0081] At **418,** should the user desire to start the automatic configuration process now, the user activates the process manually. In one embodiment, there are two buttons, labeled respectively as "VOL" and "Mute". When these two buttons are pressed at the same time, the automatic configuration process starts. The process **400** goes to **420** to determine whether a valid response is received from a zone player. If not, after a certain time **422,** the process **400** goes back to **418** to reactivate the process or **414** via **424** to remind the user to ensure that the required connection is placed.

[0082] In one embodiment, a handheld controller is configured to facilitate a new zone player to execute a household join process to join the HOUSEHOLD upon an appropriate channel. The channel may be agreed upon between the controller and the zone player as follows:

1) when a reset or two buttons are pushed on the ZonePlayer to 'activate' the household join process, it starts a scan through the available wireless channels, sending the "Alive" datagram for each channel in turn. Sometimes, it cycles through the channels several times;

2) as soon as the ZonePlayer receives a QueryNetParams request address to itself, it stops the channel cycling; and

3) The ZonePlayer remains locked on whatever channel it has stopped cycling until a successful sequence ending in the configuration of the ZonePlayer (at which point it uses the specified channel), or a timeout expires (at which point it returns to its original channel or resumes cycling through channels and sending alive messages if

the overall timeout for the activation process has not expired).

[0083] Although the Zone Player performs the channel cycling, the controller may also be configured to perform the channel cycling as well. However, when the controller is, for example, a personal computer, the Zone Player is typically configured to cycle through the available channels.

[0084] In any case, when a valid response is received from the zone player, the process **400** determines whether the zone player provides its own network name (e.g., HHID) at **426.** If the zone player does not have an HHID, which means that the zone player is to be added into a wireless network named after an HHID provided by the device, the process **400** goes to **428** to instruct the zone player to join the wireless network. If the zone player does have an HHID, which means that the device itself is to be added into the wireless network named after the HHID provided by the zone player, the process **400** goes to **430** to exit.

[0085] The automatic configuration process, as described above, is executed. After it is completed, a message or an indication of completion is displayed. After the user acknowledges at **434,** the user is offered to name the zone player, for example, "Dinning" which means that the zone player is in the dinning room. Subsequently, the process **400** goes to **406.**

[0086] For completeness, FIG. 4B shows a flowchart or process **450** that may be also implemented in hardware, software or a combination of both as a method, a system or a process. In one embodiment, the process **450** is implemented for a zone player. To facilitate the understanding of the process **450,** the description herein is based on a zone player, such as the player **302** of FIG. 3A, which shall not be considered as the limitations to the present invention.

[0087] When a zone player is powered up, the process **450** determines whether the zone player is already registered or configured at **452.** There are situations in which the zone player just obtained by a user is already configured, for example, the zone

player is a used one (i.e., previously configured). If it is indeed configured, the process **450** goes to **454** where an indication of "registered" is shown. If the zone player is never configured, the process **450** goes to **456** to indicate such. It is assumed that the zone player works normally at **458** (e.g., through an internal checkup).

[0088] At **460,** a user activates the automatic configuration process by, for example, pressing two buttons, labeled respectively as "VOL" and "Mute", at the same time. The automatic configuration process starts by sending out an Alive message at 462 as described above. At **464,** the zone player awaits a response. If no response is received within or beyond a predefined time, the process **450** goes to **466 or 458** to continue waiting for a response or restart the process. It is assumed that there is a response, and the automatic configuration process continues as shown in FIG. 3B without failure, the process goes to **468** where the zone player is now part of the wireless network named after an HHID received either from a configured device or provided by itself.

[0089] There are numerous functions, benefits and advantages in the present invention. One of them is that the present invention provides techniques for automatically configuring parameters of a device to be coupled to an Ad-hoc network, where the Ad-hoc network forming by a group of devices can be wireless, wired or a combination of both. By way of the present invention, a system including a set of zone players and one or more controllers operates correctly and does not interfere with any existing network. Other functions, benefits and advantages can be appreciated from the detailed description provided above.

[0090] The present invention has been described in sufficient details with a certain degree of particularity. It is understood to those skilled in the art that the present disclosure of embodiments has been made by way of examples only and that numerous changes in the arrangement and combination of parts may be resorted without departing from the spirit and scope of the invention as claimed. Accordingly,

the scope of the present invention is defined by the appended claims rather than the foregoing description of embodiments.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/018,401	09/11/2020	Nicholas A.J. Millington	05-0601-CON0920	6116

135176 7590 10/15/2020

LS3 Sonos
Lee Sullivan Shea & Smith LLP
656 W. Randolph St.
Floor 5W
Chicago, IL 60661

EXAMINER	
ART UNIT	PAPER NUMBER
2451	

NOTIFICATION DATE	DELIVERY MODE
10/15/2020	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ls3_docketing@cardinal-ip.com
york@ls3ip.com

Decision Granting Request for Prioritized Examination (Track I)	**Application No.** 17/018,401	**Applicant(s)** Millington et al.	
	Examiner CHERYL P GIBSON BAYLOR	**Art Unit** OPET	**AIA (FITF) Status** No

1. THE REQUEST FILED 11 September 2020 IS **GRANTED** .

The above-identified application has met the requirements for prioritized examination
- A. ☑ for an original nonprovisional application (Track I).
- B. ☐ for an application undergoing continued examination (RCE).

2. **The above-identified application will undergo prioritized examination**. The application will be accorded special status throughout its entire course of prosecution until one of the following occurs:
   - A. filing a **petition for extension of time** to extend the time period for filing a reply;
   - B. filing an **amendment to amend the application to contain more than four independent claims, more than thirty total claims** , or a multiple dependent claim;
   - C. filing a **request for continued examination** ;
   - D. filing a notice of appeal;
   - E. filing a request for suspension of action;
   - F. mailing of a notice of allowance;
   - G. mailing of a final Office action;
   - H. completion of examination as defined in 37 CFR 41.102; or
   - I. abandonment of the application.

Telephone inquiries with regard to this decision should be directed to CHERYL GIBSON BAYLOR at (571)272-3213. In his/her absence, calls may be directed to Petition Help Desk at (571) 272-3282.

/CHERYL GIBSON BAYLOR/ Paralegal Specialist, OPET	

U.S. Patent and Trademark Office
PTO-2298 (Rev. 02-2012)

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

135176 7590 11/30/2020

LS3 Sonos
Lee Sullivan Shea & Smith LLP
656 W. Randolph St.
Floor 5W
Chicago, IL 60661

EXAMINER
MADAMBA, GLENFORD J

ART UNIT	PAPER NUMBER
2451	

DATE MAILED: 11/30/2020

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/018,401	09/11/2020	Nicholas A.J. Millington	05-0601-CON0920	6116

TITLE OF INVENTION: Playback Device Connection

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	03/01/2021

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at www.uspto.gov/PatentMaintenanceFees.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

135176 7590 11/30/2020

LS3 Sonos
Lee Sullivan Shea & Smith LLP
656 W. Randolph St.
Floor 5W
Chicago, IL 60661

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/018,401	09/11/2020	Nicholas A.J. Millington	05-0601-CON0920	6116

TITLE OF INVENTION: Playback Device Connection

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	03/01/2021

EXAMINER	ART UNIT	CLASS-SUBCLASS
MADAMBA, GLENFORD J	2451	715-735000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

❑ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-09 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1_____
2_____
3_____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ❑ Individual ❑ Corporation or other private group entity ❑ Government

4a. Fees submitted: ❑Issue Fee ❑Publication Fee (if required) ❑Advance Order - # of Copies _____

4b. Method of Payment: *(Please first reapply any previously paid fee shown above)*

❑ Electronic Payment via EFS-Web ❑ Enclosed check ❑ Non-electronic payment by credit card (Attach form PTO-2038)

❑ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

5. **Change in Entity Status** (from status indicated above)

❑ Applicant certifying micro entity status. See 37 CFR 1.29

❑ Applicant asserting small entity status. See 37 CFR 1.27

❑ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/018,401	09/11/2020	Nicholas A.J. Millington	05-0601-CON0920	6116

135176 7590 11/30/2020

LS3 Sonos
Lee Sullivan Shea & Smith LLP
656 W. Randolph St.
Floor 5W
Chicago, IL 60661

EXAMINER	
MADAMBA, GLENFORD J	
ART UNIT	PAPER NUMBER
2451	

DATE MAILED: 11/30/2020

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 17/018,401	Applicant(s) Millington et al.	
	Examiner GLENFORD J MADAMBA	Art Unit 2451	AIA (FITF) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☑ This communication is responsive to 11 September 2020.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☑ The allowed claim(s) is/are 1-30 . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see **http://www.uspto.gov/patents/init_events/pph/index.jsp** or send an inquiry to **PPHfeedback@uspto.gov.**

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   Certified copies:

   a) ☐ All b) ☐ Some *c) ☐ None of the:

   1. ☐ Certified copies of the priority documents have been received.
   2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☑ Notice of References Cited (PTO-892)
2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.
4. ☑ Interview Summary (PTO-413), Paper No./Mail Date. _____.
5. ☐ Examiner's Amendment/Comment
6. ☑ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/GLENFORD J MADAMBA/
Primary Examiner, Art Unit 2451

Notice of Pre-AIA or AIA Status

The present application is being examined under the first inventor to invent provisions of pre-AIA. This action is responsive to the continuation application filed / dated September 11, 2020. Claims 1-30 are presented for examination.

Allowable Subject Matter

1. The numbering of original claims 1-30 is maintained. No claims have been canceled, and no new claims have been added.

2. The following is an examiner's statement of reasons for allowance:

The Office has deemed Applicant's originally-filed claims dated September 11, 2020 distinguishable over any reasonable rejection of the claims over candidate prior art, and the claims are thus considered in condition for patentability **(MPEP § 1302.14)**.

In addition, the Office notes and remarks that no reasonable disclosure or rejection over prior art, either individually or in combination, expressly teaches or discloses a combination of elements as currently recited by the independent claim(s) *as a whole*, including the recited feature(s) of a system comprising a playback device communicating over at least one network, and further comprising at least one processor that "detects a triggering event that causes the

playback device to enter a setup mode in which the playback device transmits a first set of one or more messages collectively indicating that the playback device is available for setup; and while in the setup mode, establish an initial communication path with the computing device; and further processes a second set of one or more messages received from the computing device via the initial communication path, wherein the second set of one or more messages collectively comprise network configuration parameters for a secure wireless network configured to exchange digital data packets that is defined by one or more network devices, *wherein the initial communication path with the computing device does not traverse any of the one or more network devices, and wherein the network configuration parameters comprise an identifier of the secure wireless network and security information for the secure wireless network…*" — and independent claim 1 (and similarly independent claims 18 and 30) is/are accordingly considered patentable over prior art.

The Office also notes that the claims of the instant application are considered allowable generally for the same reasons given to counterpart/related application 16/746,294 (filed January 17, 2019). In addition, the Office notes that a terminal disclaimer has been requested / filed to overcome any possible double-patenting rejection that could be applied to the claims of the instant application over claims of related application{s}.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Glenford Madamba whose telephone number is 571-272- 7989. The examiner can normally be reached on Monday-Friday, 9am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher Parry can be reached on 571-272-8328. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, .contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/GLENFORD J MADAMBA/
Primary Examiner, Art Unit 2451

Examiner-Initiated Interview Summary	Application No. 17/018,401	Applicant(s) Millington et al.	
	Examiner GLENFORD J MADAMBA	Art Unit 2451	AIA (FITF) Status No

All participants (applicant, applicant's representative, PTO personnel):

(1) GLENFORD J. MADAMBA. (3) _____.

(2) Brandon Kennedy (Reg. No. 67,894). (4) _____.

Date of Interview: 17 November 2020.

Type: ☑ Telephonic ☐ Video Conference
☐ Personal [copy given to: ☐ applicant ☐ applicant's representative]

Exhibit shown or demonstration conducted: ☐ Yes ☐ No.
If Yes, brief description: _____.

Issues Discussed ☐ 101 ☐ 112 ☐ 102 ☐ 103 ☑ Others
(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: 1-30.

Identification of prior art discussed: n/a.

Substance of Interview
(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

See Continuation Sheet.

Applicant recordation instructions: It is not necessary for applicant to provide a separate record of the substance of interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

☐ Attachment

/GLENFORD J MADAMBA/ Primary Examiner, Art Unit 2451	

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: The Office reached out to Applicant's representative to inform him that the originally-filed claims of the instant application appear to be allowable, and also to negotiate and request the filing of a terminal disclaimer for the instant application in order to obviate any potential double-patenting rejection that could be applied over claims of related / counterpart applications. Applicant's representative agreed, and stated he would file the terminal disclaimer as requested. The Office thanks Applicant's representative for his time and assistance in this matter.

Notice of References Cited	Application/Control No. 17/018,401	Applicant(s)/Patent Under Reexamination Millington et al.	
	Examiner GLENFORD J MADAMBA	Art Unit 2451	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20040168081-A1	08-2004	Ladas, Corey M.	H04L63/0428	726/8
*	B	US-20020124097-A1	09-2002	Isely, Larson J.	H04L12/2805	709/231
*	C	US-20040133689-A1	07-2004	Vasisht, Samrat	H04L61/2061	709/228
	D					
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/018,401	Millington et al.
	Examiner	Art Unit
	GLENFORD J MADAMBA	2451

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS										
☐ Claims renumbered in the same order as presented by applicant					☐ CPA		☐ T.D.		☐ R.1.47	
CLAIM		DATE								
Final	Original	11/21/2020								
1	1	=								
2	2	=								
3	3	=								
4	4	=								
5	5	=								
6	6	=								
7	7	=								
8	8	=								
9	9	=								
10	10	=								
11	11	=								
12	12	=								
13	13	=								
14	14	=								
15	15	=								
16	16	=								
17	17	=								
18	18	=								
19	19	=								
20	20	=								
21	21	=								
22	22	=								
23	23	=								
24	24	=								
25	25	=								
26	26	=								
27	27	=								
28	28	=								
29	29	=								
30	30	=								

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/018,401	Millington et al.
	Examiner	Art Unit
	GLENFORD J MADAMBA	2451

CPC						
Symbol					Type	Version
H04L	/	41	/	22	F	2013-01-01
G06F	/	3	/	04842	I	2013-01-01
G06F	/	3	/	0482	I	2013-01-01
H04L	/	63	/	20	I	2013-01-01
H04L	/	67	/	02	I	2013-01-01
H04L	/	67	/	10	I	2013-01-01
H04L	/	12	/	2809	I	2013-01-01
H04L	/	41	/	0809	I	2013-01-01
H04W	/	12	/	08	I	2013-01-01
H04W	/	12	/	003	I	2019-01-01
H04W	/	12	/	04	I	2013-01-01
H04L	/	63	/	10	I	2013-01-01
H04L	/	41	/	0803	I	2013-01-01
H04L	/	12	/	2807	I	2013-01-01
H04L	/	12	/	28	I	2013-01-01
G06F	/	3	/	0481	I	2013-01-01
G06F	/	3	/	04847	I	2013-01-01
H04L	/	67	/	141	I	2013-01-01
H04L	/	12	/	2803	I	2013-01-01
H04L	/	65	/	60	I	2013-01-01
H04L	/	63	/	065	A	2013-01-01
H04L	/	41	/	28	A	2013-01-01
H04L	/	63	/	0823	A	2013-01-01
H04W	/	84	/	12	A	2013-01-01
H04L	/	2012	/	2841	A	2013-01-01
H04L	/	2012	/	2849	A	2013-01-01

CPC Combination Sets							
Symbol					Type	Set	Ranking	Version
	/		/					

NONE (Assistant Examiner)	(Date)	Total Claims Allowed: 30	
/GLENFORD J MADAMBA/ Primary Examiner, Art Unit 2451 (Primary Examiner)	21 November 2020 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 1

U.S. Patent and Trademark Office — Part of Paper No.: 20201121

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/018,401	Millington et al.
	Examiner	Art Unit
	GLENFORD J MADAMBA	2451

INTERNATIONAL CLASSIFICATION				
CLAIMED				
H04L	/	12	/	24

NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS
709	222

CROSS REFERENCES(S)						
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	30	
/GLENFORD J MADAMBA/ Primary Examiner, Art Unit 2451	21 November 2020	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office — Part of Paper No.: 20201121

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/018,401	Millington et al.
	Examiner	Art Unit
	GLENFORD J MADAMBA	2451

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	10	10	19	19	28	28								
2	2	11	11	20	20	29	29								
3	3	12	12	21	21	30	30								
4	4	13	13	22	22										
5	5	14	14	23	23										
6	6	15	15	24	24										
7	7	16	16	25	25										
8	8	17	17	26	26										
9	9	18	18	27	27										

NONE (Assistant Examiner)	(Date)	**Total Claims Allowed:** 30	
/GLENFORD J MADAMBA/ Primary Examiner, Art Unit 2451 (Primary Examiner)	21 November 2020 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 1

U.S. Patent and Trademark Office Part of Paper No.: 20201121

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/018,401	Millington et al.
	Examiner	Art Unit
	GLENFORD J MADAMBA	2451

CPC - Searched*		
Symbol	Date	Examiner
H04L41/22; H04W12/003; G06F3/0481; G06F3/0482; G06F3/04842; G06F3/04847; H04L12/28; H04L12/2803; H04L12/2807; H04L12/2809; H04L41/0803; H04L41/0809; H04L63/10; H04L63/20; H04L65/60; H04L67/02; H04L67/10; H04L67/141; H04W12/04; H04W12/08	11/11/2020	GJM

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner
709	222	11/11/2020	GJM

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
Classification search delimited with claim / technical terminology	11/11/2020	GJM
EAST Inventor search	11/11/2020	GJM
The Office reached out to Applicant's representative to notify him that the originally-filed claims appear to be in condition for allowance, and also negotiate / request the filing of a terminal disclaimer to obviate any possible double-patenting rejection, which was agreed to. Case is allowed	11/19/2020	GJM

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/018,401	Millington et al.
	Examiner	Art Unit
	GLENFORD J MADAMBA	2451

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
709/H04L41	222/28	11/20/2020	GJM

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	RE41608		2010-08-31	BLAIR; Christopher Douglas et al.	
	2	D260764	S	1981-09-15	CASTAGNA; John F. et al.	
	3	D279779	S	1985-07-23	TAYLOR; Terrance N.	
	4	D293671	S	1988-01-12	BEAUMONT; Thomas G.	
	5	D301037	S	1989-05-09	MATSUDA; Hari	
	6	D304443	S	1989-11-07	GRINYER; Clive A. et al.	
	7	D313023	S	1990-12-18	KOLENDA; David F. et al.	
	8	D313398	S	1991-01-01	GILCHRIST; Thomas L.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	9	D313600	S	1991-01-08	WEBER; Edward W.	
	10	D320598	S	1991-10-08	AUERBACH; Marc et al.	
	11	D322609	S	1991-12-24	PATTON; Douglas M.	
	12	D326450	S	1992-05-26	WATANABE; Katsuhito	
	13	D327060	S	1992-06-16	WACHOB; David E. et al.	
	14	D331388	S	1992-12-01	DAHNERT; Dean L. et al.	
	15	D333135	S	1993-02-09	WACHOB; David E. et al.	
	16	D350531	S	1994-09-13	TSUJI; Masao	
	17	D350962	S	1994-09-27	REARDON; John D. et al.	
	18	D354059	S	1995-01-03	HENDRICKS; John S.	
	19	D354751	S	1995-01-24	HERSH; Joseph B. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	20	D356093	S	1995-03-07	McCAULEY; Gilbert L. et al.	
	21	D356312	S	1995-03-14	ALTHANS; Richard K.	
	22	D357024	S	1995-04-04	TOKIYAMA; Masaru et al.	
	23	D362446	S	1995-09-19	GASIOREK; John G. et al.	
	24	D363933	S	1995-11-07	STARCK; Philippe	
	25	D364877	S	1995-12-05	TOKIYAMA; Masaru et al.	
	26	D364878	S	1995-12-05	GREEN; Dewayne E. et al.	
	27	D365102	S	1995-12-12	GIOSCIA; Richard	
	28	D366044	S	1996-01-09	HARA; Masayuki et al.	
	29	D372716	S	1996-08-13	THORNE; Edwin	
	30	D377651	S	1997-01-28	BIASOTTI; Mark et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	31	D379816	S	1997-06-10	LAITURI; David W. et al.	
	32	D380752	S	1997-07-08	HANSON; Bruce D.	
	33	D382271	S	1997-08-12	AKWIWU; Ndukwe	
	34	D384940	S	1997-10-14	KONO; Kenichiro et al.	
	35	D387352	S	1997-12-09	KANEKO; Steven T. et al.	
	36	D388792	S	1998-01-06	NYKERK; Michael	
	37	D389143	S	1998-01-13	WICKS; James E.	
	38	D392641	S	1998-03-24	FENNER; Knut T.	
	39	D393628	S	1998-04-21	LEDBETTER; Carl J. et al.	
	40	D394659	S	1998-05-26	BIASOTTI; Mark et al.	
	41	D395889	S	1998-07-07	GERBA; George et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	42	D397996	S	1998-09-08	SMITH; Michael A.	
	43	D401587	S	1998-11-24	RUDOLPH; Daniel L.	
	44	D404741	S	1999-01-26	SCHUMAKER; Nevenka et al.	
	45	D405071	S	1999-02-02	GAMBARO; Thomas L.	
	46	D406847	S	1999-03-16	GERBA; George et al.	
	47	D407071	S	1999-03-23	KEATING; Virginia Walker	
	48	D410927	S	1999-06-15	YAMAGISHI; Yoshinobu	
	49	D412337	S	1999-07-27	HAMANO; Masataka	
	50	D415496	S	1999-10-19	GERBA; George et al.	
	51	D416021	S	1999-11-02	GODETTE; Robert G. et al.	
	52	D420006	S	2000-02-01	TONINO; Eduardus Josephus Anna Maria	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	53	D429246	S	2000-08-08	HOLMA; Tapani	
	54	D430143	S	2000-08-29	RENK; Thomas Edward	
	55	D431552	S	2000-10-03	BACKS; Jochen Philipp et al.	
	56	D432525	S	2000-10-24	BEECROFT; Troy C.	
	57	D444475		2001-07-03	LEVEY; Keith P. et al.	
	58	D444475		2001-07-03	LEVEY; Keith P. et al.	
	59	D452520		2001-12-25	GOTHAM; David R. et al.	
	60	D462339		2002-09-03	ALLEN; Paul G. et al.	
	61	D462340		2002-09-03	ALLEN; Paul G. et al.	
	62	D462945		2002-09-17	SKULLEY; Gerald W.	
	63	D466108		2002-11-26	GLODAVA; Derrick A. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	64	D468297		2003-01-07	IKEDA; Tetsuya	
	65	D474763		2003-05-20	TOZAKI; RAY et al.	
	66	D475993		2003-06-17	MEYER; Robert K.	
	67	D476643		2003-07-01	YAMAGISHI; Masayuki	
	68	D477310		2003-07-15	MORANSAIS; Charles	
	69	D478051		2003-08-05	SAGAWA; So	
	70	D478069		2003-08-05	BECK; Benjamin et al.	
	71	D478896		2003-08-26	SUMMERS; KIM Renee	
	72	D479520		2003-09-09	DE; Saulles Stephen	
	73	D481056		2003-10-21	KAWASAKI; Mugio et al.	
	74	D486145		2004-02-03	KAMINSKI; Dariusz S. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	75	D491925		2004-06-22	GRIESAU; Gene W. et al.	
	76	D493148		2004-07-20	SHIBATA; Kumiko et al.	
	77	D495333		2004-08-31	BORSBOOM; Antonious M.	
	78	D496003		2004-09-14	SPIRA; Joel S.	
	79	D496005		2004-09-14	WANG; Carter	
	80	D496335		2004-09-21	SPIRA; Joel S.	
	81	D497363		2004-10-19	OLSON; Mark H. et al.	
	82	D499086		2004-11-30	POLITO; Fred	
	83	D499395		2004-12-07	HSU; Gary	
	84	D499718		2004-12-14	CHEN; Alex	
	85	D500015		2004-12-21	GUBBE; Bernd	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	86	D501477		2005-02-01	HALL; David	
	87	D504872		2005-05-10	UEHARA; Mitsuhiro et al.	
	88	D504885		2005-05-10	ZHANG; Jinsong et al.	
	89	D506463		2005-06-21	DANIELS; Wilfried Johan Paul Ferdinand	
	90	D515072		2006-02-14	LEE; Nikolas IAN	
	91	D515557		2006-02-21	OKULEY; James M.	
	92	D518475		2006-04-04	YANG; Yu-Ching et al.	
	93	D524296		2006-07-04	KITA; Toshiyuki	
	94	D527375		2006-08-29	FLORA; William T. et al.	
	95	3956591		1976-05-11	GATES Jr. WILLIAM A;	
	96	4105974		1978-08-08	ROGERS; Edwin F.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	97	4296278		1981-10-20	CULLISON; Steven B. et al.	
	98	4306114		1981-12-15	CALLAHAN; Jeffery C.	
	99	4509211		1985-04-02	ROBBINS; Michael S.	
	100	4530091		1985-07-16	CROCKETT; Gary B.	
	101	4661902		1987-04-28	HOCHSPRUNG; Ronald R. et al.	
	102	4689786		1987-08-25	SIDHU; Gursharan S. et al.	
	103	4696037		1987-09-22	FIERENS; Gustaaf E. M.	
	104	4701629		1987-10-20	CITROEN; Maxime H.	
	105	4712105		1987-12-08	KOEHLER; Hans E. P.	
	106	4731814		1988-03-15	BECKER; William R. et al.	
	107	4816989		1989-03-28	FINN; Alan M. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	108	4824059		1989-04-25	BUTLER, I; LES	
	109	4845751		1989-07-04	SCHWAB; Brian H.	
	110	4994908		1991-02-19	KUBAN; Curt M. et al.	
	111	5086385		1992-02-04	LAUNEY; Reuel O. et al.	
	112	5151922		1992-09-29	WEISS; Karl R.	
	113	5153579		1992-10-06	FISCH; Kenneth D. et al.	
	114	5182552		1993-01-26	PAYNTING; Richard J.	
	115	5185680		1993-02-09	KAKUBO; Yuji	
	116	5198603		1993-03-30	NISHIKAWA; Masashi et al.	
	117	5237327		1993-08-17	SAITOH; Mitsumasa et al.	
	118	5239458		1993-08-24	SUZUKI; Takashi	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	119	5272757		1993-12-21	SCOFIELD; William C. et al.	
	120	5299266		1994-03-29	LUMSDEN; John L.	
	121	5313524		1994-05-17	VAN HULLE; Steven T. F. et al.	
	122	5361381		1994-11-01	SHORT; William R.	
	123	5372441		1994-12-13	LOUIS; William M.	
	124	5406634		1995-04-11	ANDERSON; Charles W. [Us] et al.	
	125	5430485		1995-07-04	LANKFORD; Douglas E. et al.	
	126	5440644		1995-08-08	FARINELLI; Robert [Us] et al.	
	127	5457448		1995-10-10	TOTSUKA; Keiichi et al.	
	128	5467342		1995-11-14	LOGSTON; Gary L. et al.	
	129	5481251		1996-01-02	BUYS; Menno et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	130	5491839		1996-02-13	SCHOTZ; Larry	
	131	5515345		1996-05-07	BARREIRA; Jeane K. et al.	
	132	5533021		1996-07-02	BRANSTAD; Mark W. et al.	
	133	5553147		1996-09-03	PINEAU; Joseph E. M.	
	134	5553222		1996-09-03	MILNE; Steve H. et al.	
	135	5553314		1996-09-03	GRUBE; Gary W. et al.	
	136	5596696		1997-01-21	TINDELL; James M. et al.	
	137	5602992		1997-02-11	DANNEELS; Gunner	
	138	5623483		1997-04-22	AGRAWAL; Prathima et al.	
	139	5625350		1997-04-29	FUKATSU; Hitoshi et al.	
	140	5633871		1997-05-27	BLOKS; Rudolf H. J.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	141	5636345		1997-06-03	VALDEVIT; Ezio	
	142	5640388		1997-06-17	WOODHEAD; Douglas F. et al.	
	143	5642171		1997-06-24	BAUMGARTNER; Donn M. et al.	
	144	5652749		1997-07-29	DAVENPORT; David William et al.	
	145	5661665		1997-08-26	GLASS; Adam et al.	
	146	5661728		1997-08-26	FINOTELLO; Andrea et al.	
	147	5668884		1997-09-16	CLAIR, Jr.; ROY Barry et al.	
	148	5673323		1997-09-30	SCHOTZ; Larry et al.	
	149	5696896		1997-12-09	BADOVINATZ; Peter Richard et al.	
	150	5726989		1998-03-10	DOKIC; Miroslav V.	
	151	5732059		1998-03-24	KATSUYAMA; Akira et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	152	5740235		1998-04-14	LESTER; James William et al.	
	153	5742623		1998-04-21	NUBER; RAY et al.	
	154	5751819		1998-05-12	DORROUGH; Michael L.	
	155	5761320		1998-06-02	FARINELLI; Robert et al.	
	156	5774016		1998-06-30	KETTERER; Ernest R.	
	157	5787249		1998-07-28	BADOVINATZ; Peter Richard et al.	
	158	5790543		1998-08-04	CLOUTIER; LEO	
	159	5808662		1998-09-15	KINNEY; Daniel Reid et al.	
	160	5812201		1998-09-22	YOO; Ki Ryung	
	161	5815689		1998-09-29	SHAW; George H. J. et al.	
	162	5818948		1998-10-06	GULICK; Dale E.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	163	5832024		1998-11-03	SCHOTZ; Larry et al.	
	164	5838909		1998-11-17	ROY; H. Scott et al.	
	165	5848152		1998-12-08	SLIPY; Michael J. et al.	
	166	5852722		1998-12-22	HAMILTON; Graham	
	167	5852744		1998-12-22	AGATONE; Kevin et al.	
	168	5867691		1999-02-02	SHIRAISHI; Hajime	
	169	5875233		1999-02-23	COX; Daniel R.	
	170	5875354		1999-02-23	CHARLTON; Paul et al.	
	171	5887143		1999-03-23	SAITO; Masahiko et al.	
	172	5905768		1999-05-18	MATURI; Greg et al.	
	173	5910990		1999-06-08	JANG; Dae-Young	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	174	5917830		1999-06-29	CHEN; David et al.	
	175	5923869		1999-07-13	KASHIWAGI; Yoshiichiro et al.	
	176	5923902		1999-07-13	INAGAKI; Yoshihiro	
	177	5946343		1999-08-31	SCHOTZ; Larry et al.	
	178	5956025		1999-09-21	GOULDEN; Lorna et al.	
	179	5956088		1999-09-21	SHEN; Paul et al.	
	180	5960006		1999-09-28	MATURI; Greg et al.	
	181	5960167		1999-09-28	ROBERTS; John T. et al.	
	182	5984512		1999-11-16	JONES; Anthony Mark et al.	
	183	5987525		1999-11-16	ROBERTS; Dale Tyson et al.	
	184	5987611		1999-11-16	FREUND; Gregor	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	185	5990884		1999-11-23	DOUMA; Peter et al.	
	186	5991307		1999-11-23	KOMURO; Teruyoshi et al.	
	187	5999906		1999-12-07	MERCS; Laura et al.	
	188	6006275		1999-12-21	PICAZO et al.	
	189	6009457		1999-12-28	MOLLER; Matthew Donaldson	
	190	6018376		2000-01-25	NAKATANI; Shintarou	
	191	6026150		2000-02-15	FRANK; Edward H. et al.	
	192	6026297		2000-02-15	HAARTSEN; Jacobus Cornelis	
	193	6029196		2000-02-22	LENZ; Michael A.	
	194	6031818		2000-02-29	LO; W. Steven et al.	
	195	6032202		2000-02-29	LEA; Rodger J. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	196	6038614		2000-03-14	CHAN; RIX S. et al.	
	197	6046550		2000-04-04	FERENCE; Jonathan H. et al.	
	198	6061457		2000-05-09	STOCKHAMER; LEE	
	199	6078725		2000-06-20	TANAKA; Mitsumasa	
	200	6081266		2000-06-27	SCIAMMARELLA; Eduardo	
	201	6085236		2000-07-04	LEA; Rodger J.	
	202	6088063		2000-07-11	SHIBA; Kosuke	
	203	6101195		2000-08-08	LYONS; Paul Wallace et al.	
	204	6108485		2000-08-22	KIM; Jeong-Kyu	
	205	6108686		2000-08-22	WILLIAMS Jr. HENRY R;	
	206	6119239		2000-09-12	FUJII; Kazuo	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	207	6122668		2000-09-19	TENG; Peter Y. et al.	
	208	6122749		2000-09-19	GULICK; Dale A.	
	209	6127941		2000-10-03	VAN RYZIN; John M.	
	210	6128318		2000-10-03	SATO; Takashi	
	211	6131130		2000-10-10	VAN RYZIN; John M.	
	212	6148205		2000-11-14	COTTON; Timothy R.	
	213	6154772		2000-11-28	DUNN; Bryan W. et al.	
	214	6157957		2000-12-05	BERTHAUD; Jean-Marc	
	215	6163647		2000-12-19	TERASHIMA; Masaru et al.	
	216	6169725		2001-01-02	GIBBS; Simon J. et al.	
	217	6175872		2001-01-16	NEUMANN; Eric K. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	218	6181383		2001-01-30	FOX; Edward C. et al.	
	219	6185737		2001-02-06	NORTHCUTT; J. Duane et al.	
	220	6195435		2001-02-27	KITAMURA; John S.	
	221	6195436		2001-02-27	SCIBORA; Marco et al.	
	222	6199169		2001-03-06	VOTH; Duane J.	
	223	6208846		2001-03-27	CHEN; Young-Kai et al.	
	224	6212282		2001-04-03	MERSHON; Stuart	
	225	6246701		2001-06-12	SLATTERY; William	
	226	6253293		2001-06-26	RAO; Raghunath et al.	
	227	6255961		2001-07-03	VAN; Ryzin John M. [Us] et al.	
	228	6256554		2001-07-03	DILORENZO; Mark	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	229	6269406		2001-07-31	DUTCHER; David Paul et al.	
	230	6301012		2001-10-09	WHITE; Craig R. et al.	
	231	6308207		2001-10-23	TSENG; Weinan William et al.	
	232	6310652		2001-10-30	LI; Stephen et al.	
	233	6313879		2001-11-06	KUBO; Hiroaki et al.	
	234	6321252		2001-11-20	BHOLA; Sumeer et al.	
	235	6324586		2001-11-27	JOHNSON; Aric R.	
	236	6332147		2001-12-18	MORAN; Thomas P. et al.	
	237	6336219		2002-01-01	NATHAN; Guy	
	238	6343028		2002-01-29	KUWAOKA; Toshiharu	
	239	6349285		2002-02-19	LIU; Pu et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	240	6349339		2002-02-19	WILLIAMS; Henry R.	
	241	6349352		2002-02-19	LEA; Rodger J.	
	242	6351821		2002-02-26	VOTH; Duane J.	
	243	6353172		2002-03-05	FAY; Todor C. et al.	
	244	6356871		2002-03-12	HEMKUMAR; Nariankadu Datatreya et al.	
	245	6404811		2002-06-11	CVETKO; John F. et al.	
	246	6418150		2002-07-09	STAATS; Erik P.	
	247	6430353		2002-08-06	HONDA; Susumu et al.	
	248	6442443		2002-08-27	FUJII; Kazuo et al.	
	249	6446080		2002-09-03	VAN; Ryzin John M. et al.	
	250	6449642		2002-09-10	BOURKE-DUNPHY; Erin Marie et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	251	6449653		2002-09-10	KLEMETS; Anders Edgar et al.	
	252	6456783		2002-09-24	ANDO; Hideo et al.	
	253	6463474		2002-10-08	FUH; Tzong-Fen et al.	
	254	6466832		2002-10-15	ZUQERT; Benjamin et al.	
	255	6469633		2002-10-22	WACHTER; Martin Richard [Us] et al.	
	256	6487296		2002-11-26	ALLEN; Steven W. et al.	
	257	6493832		2002-12-10	ITAKURA; Eisaburo et al.	
	258	6522886		2003-02-18	YOUNGS; Edward A. et al.	
	259	6526325		2003-02-25	SUSSMAN; Robert et al.	
	260	6526411		2003-02-25	WARD; Sean	
	261	6535121		2003-03-18	MATHNEY; Richard K. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	262	6571103		2003-05-27	NOVAKOV; Emil P.	
	263	6587127		2003-07-01	LEEKE; Steven D. et al.	
	264	6598172		2003-07-22	VANDEUSEN; Mark P. et al.	
	265	6611537		2003-08-26	EDENS; Glenn T. et al.	
	266	6611813		2003-08-26	BRATTON; Timothy Robert	
	267	6631410		2003-10-07	KOWALSKI; John Michael [Us] et al.	
	268	6636269		2003-10-21	BALDWIN; James A.	
	269	6639584		2003-10-28	LI; Chuang	
	270	6653899		2003-11-25	ORGANVIDEZ; Juan H. et al.	
	271	6654720		2003-11-25	GRAHAM; Stephen Glen et al.	
	272	6654956		2003-11-25	TRINH; Vincent et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	273	6658091		2003-12-02	NAIDOO; Surendra N. et al.	
	274	6674803		2004-01-06	KESSELRING; William David	
	275	6684060		2004-01-27	CURTIN; Steven D.	
	276	6686838		2004-02-03	REZVANI; Babak et al.	
	277	6687664		2004-02-03	SUSSMAN; Robert et al.	
	278	6703940		2004-03-09	ALLEN; William A. et al.	
	279	6704421		2004-03-09	KITAMURA; John S.	
	280	6732176		2004-05-04	STEWART; Brett B. et al.	
	281	6741708		2004-05-25	NAKATSUGAWA; Yoshinori	
	282	6741961		2004-05-25	LIM; Chae-Duck	
	283	6757517		2004-06-29	CHANG; Chin-Chi [Tw] et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	284	6763274		2004-07-13	GILBERT; Erik J.	
	285	6772267		2004-08-03	THALER; Thomas et al.	
	286	6778073		2004-08-17	LUTTER; Robert Pierce et al.	
	287	6778493		2004-08-17	ISHII; Atsushi	
	288	6778869		2004-08-17	CHAMPION; Mark	
	289	6788938		2004-09-07	SUGAYA; Shigeru et al.	
	290	6795852		2004-09-21	KLEINROCK; Leonard et al.	
	291	6801507		2004-10-05	HUMPLEMAN; Richard et al.	
	292	6803964		2004-10-12	POST; Lauren LEE et al.	
	293	6809635		2004-10-26	KAARESOJA; Topi	
	294	6816510		2004-11-09	BANERJEE; Subrata	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	295	6816818		2004-11-09	WOLF; Michael Jaochim et al.	
	296	6823225		2004-11-23	SASS; Jonathan	
	297	6826283		2004-11-30	WHEELER; Thomas M. et al.	
	298	6836788		2004-12-28	KIM; Sang-Gil et al.	
	299	6839752		2005-01-04	MILLER; Robert et al.	
	300	6859460		2005-02-22	CHEN; Michael C.	

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	2320451	CA	A1	2001-03-23	BONNEVILLE MARC ETIENNE [CA]		
	2	2371747	CA	A1	2001-05-25	SAMSUNG ELECTRONICS CO LTD [KR]		
	3	101292500	CN	A	2008-10-22	SONY ERICSSON MOBILE COMM AB.		
	4	1598767	CN	A	2005-03-23	XIAO XUEWEN.		
	5	0251584	EP	A2	1988-01-07	NORTHERN TELECOM LTD.		
	6	0672985	EP	A1	1995-09-20	INTERNATIONAL BUSINESS MACHINES.		
	7	0742674	EP	B1	2014-04-09	TOSHIBA KK [JP]		
	8	0772374	EP	A2	1997-05-07	BANG & OLUFSEN AS.		
	9	0895427	EP	A3	2006-01-18	SONY ELECTRONICS INC.		
	10	1058985	EP	A2	2000-12-13	SONY ELECTRONICS INC [US]		
	11	1111527	EP	A2	2001-06-27	KABUSHIKI KAISHA TOSHIBA.		

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	1122931	EP	A2	2001-08-08	SHARP KABUSHIKI KAISHA.		
	13	1312188	EP	A1	2003-05-21	BRITISH TELECOMM [GB]		
	14	1389853	EP	A1	2004-02-18	SONY INT EUROPE GMBH.		
	15	1410686	EP		2008-03-26	DOLBY LAB LICENSING CORPORATION.		
	16	1416687	EP	B1	2006-08-02	AVID TECHNOLOGY, INC.		
	17	1517464	EP	A2	2005-03-23	PHOENIX GOLD INTERNATIONAL INC.		
	18	2043381	EP	A2	2009-04-01	BANG & OLUFSEN AS.		
	19	2161950	EP	A2	2010-03-10	BANG & OLUFSEN AS.		
	20	2591617	EP	B1	2014-06-18	BANG & OLUFSEN AS.		
	21	2713281	EP		2004-04-02	SONOS, INC.		
	22	2284327	GB	A	1995-05-31	INTEL CORPORATION.		

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	2338374	GB		1999-12-15	MOTOROLA LTD.		
	24	2379533	GB	A	2003-03-12	REQUEST MULTIMEDIA [US]		
	25	2486183	GB		2012-06-13	CAMBRIDGE SILICON RADIO LIMITED.		
	26	07-210129	JP		1995-08-11	INTERNAT'L BUSINESS MACH CORP (IBM)		
	27	2000149391	JP	A	2000-05-30	VICTOR COMPANY OF JAPAN.		
	28	2001034951	JP		2001-02-09	SANYO ELECTRIC CO.		
	29	2002111817	JP		2002-04-12	NEC CORP.		
	30	2002123267	JP	A	2002-04-26	SONY CORP.		
	31	2002358241	JP	A	2002-12-13	VICTOR COMPANY OF JAPAN.		
	32	2003037585	JP		2003-02-07	SONY CORP.		
	33	2003101958	JP		2003-04-04	TOSHIBA CORP.		

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	2003169089	JP	A	2003-06-13	ANCL INC., et al.		
	35	2003506765	JP	A	2003-02-18	CHUNG; Randall M.		
	36	2005108427	JP		2005-04-21	RICOH KK.		
	37	2005136457	JP		2005-05-26	SANYO ELECTRIC CO. LTD.		
	38	2007241652	JP	A	2007-09-20	CORE COLORS INC.		
	39	2009075540	JP	A	2009-04-09	TOUCHTUNES MUSIC CORP.		
	40	2009135750	JP		2009-06-18	KYOCERA CORP.		
	41	2009506603	JP	A	2009-02-12	SONY ERICSSON MOBILE COMMUNICATIONS AB.		
	42	2009535708	JP		2009-10-01	MICROSOFT CORPORATION.		
	43	2009538006	JP	A	2009-10-29	SONY ERICSSON MOBILE COMMUNICATIONS AB.		
	44	2011130496	JP		2011-06-30	TOSHIBA CORP.		

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	63269633	JP		1988-11-07	UNKNOWN.		
	46	20030011128	KR	A	2003-02-06	CHO KAP HOON [KR]		☒
	47	439027	TW		2001-06-07	MITAC TECHNOLOGY CORP.		☐
	48	0019693	WO	A1	2000-04-06	WIRELESS SYSTEM TECHNOLOGIES I [CA], et al.		☐
	49	0110125	WO	A1	2001-02-08	CHUNG, RANDALL M.		☐
	50	02073851	WO		2002-09-19	PULSE-LINK, INC.		☐

If you wish to add additional Foreign Patent Document citation information please click the Add button [Add]

NON-PATENT LITERATURE DOCUMENTS [Remove]

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
	1	'884+ Automatic Matrix Mixer Control System," Ivie Technologies, Inc., 2000, pp. 1-4.	
	2	Acoustic Research. 900MHz Wireless Stereo Speakers Model AW871 Installation and Operation Manual, 2003, 15 pages.	
	3	Acoustic Research. 900MHz Wireless Stereo Speakers Model AW871 Installation and Operation Manual, 2007, 12 pages. .	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	4	Acoustic Research. Wireless Stereo Speakers with Auto-Tuning. Model AW877 Installation and Operation Manual, 2007, 13 pages.	
	5	ADT CORP., 5 Photographs of the Test Configuration, FCC ID: IXMWAA-B-AGB-01, Report No.: RF921020H02, 5 November 2003, 2 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	6	ADT CORP., Construction Photos of EUT, 921020H02, 13 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	7	ADT CORP., Construction Photos of EUT, 921020H02, 2 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	8	ADT CORP., FCC Test Report, FCC ID: IXMWAA-B-AGB-01, Report No.: RF921020H02, 5 November 2003, 44 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	9	ADT CORP., RF Exposure Report, Report No.: RF921020H02, 4 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	10	Advanced Driver Tab User Interface WaveLan GUI Guide, AVAGO0009, Agere Systems, February 2004, 4 pages.	
	11	Advisory Action mailed 02 February 2016, issued in connection with U.S. Patent Application No. 13/848921, filed on 22 March 2013, 8 pages.	
	12	Advisory Action mailed 18 September 2008, issued in connection with U.S. Patent Application No. 10/816217, filed on 01 April 2004, 8 pages.	
	13	Advisory Action mailed on 01 February 2016, issued in connection with U.S. Patent Application No. 13/864247, filed on 17 April 2013, 6 pages.	
	14	Advisory Action mailed on 01 June 2015, issued in connection with U.S. Patent Application No. 14/516867, filed on 17 October 2014, 11 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	15	Advisory Action mailed on 01 November 2013, issued in connection with U.S. Patent Application No. 13/618829, filed on 14 September 2012, 3 pages.	
	16	Advisory Action mailed on 02 March 2015, issued in connection with U.S. Patent Application No. 13/848932, filed on 22 March 2013, 3 pages.	
	17	Advisory Action mailed on 05 January 2012, issued in connection with U.S. Patent Application No. 12/035112, filed on 21 February 2008, 3 pages.	
	18	Advisory Action mailed on 05 September 2014, issued in connection with U.S. Patent Application No. 13/907666, filed on 31 May 2013, 3 pages.	
	19	Advisory Action mailed on 08 January 2015, issued in connection with U.S. Patent Application No. 13/705176, filed on 05 December 2012, 4 pages.	
	20	Advisory Action mailed on 08 March 2017, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 22 pages.	
	21	Advisory Action mailed on 09 June 2016, issued in connection with U.S. Patent Application No. 13/871795, filed on 25 April 2013, 3 pages.	
	22	Advisory Action mailed on 10 August 2017, issued in connection with U.S. Patent Application No. 13/864250, filed on 17 April 2013, 3 pages.	
	23	Advisory Action mailed on 10 February 2016, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 3 pages.	
	24	Advisory Action mailed on 12 November 2014, issued in connection with U.S. Patent Application No. 13/907666, filed on 31 May 2013, 6 pages.	
	25	Advisory Action mailed on 15 April 2015, issued in connection with U.S. Patent Application No. 14/184526, filed on 19 February 2014, 9 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	26	Advisory Action mailed on 15 April 2015, issued in connection with U.S. Patent Application No. 14/184935, filed on 20 February 2014, 9 pages.	
	27	Advisory Action mailed on 16 August 2017, issued in connection with U.S. Patent Application No. 13/864248, filed on 17 April 2013, 5 pages.	
	28	Advisory Action mailed on 20 June 2017, issued in connection with U.S. Patent Application No. 15/243355, filed on 22 August 2016, 5 pages.	
	29	Advisory Action mailed on 22 August 2017, issued in connection with U.S. Patent Application No. 13/864249, filed on 17 April 2013, 3 pages.	
	30	Advisory Action mailed on 25 March 2015, issued in connection with U.S. Patent Application No. 13/533105, filed on 26 June 2012, 5 pages.	
	31	Advisory Action mailed on 26 February 2015, issued in connection with U.S. Patent Application No. 14/184528, filed on 19 February 2014, 3 pages.	
	32	Advisory Action mailed on 26 November 2014, issued in connection with U.S. Patent Application No. 14/186850, filed on 21 February 2014, 9 pages.	
	33	Advisory Action mailed on 27 April 2016, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 7 pages.	
	34	Advisory Action mailed on 28 December 2016, issued in connection with U.S. Patent Application No. 13/705176, filed on 05 December 2012, 4 pages.	
	35	Advisory Action mailed on 28 July 2015, issued in connection with U.S. Patent Application No. 14/184522, filed on 19 February 2014, 7 pages.	
	36	Advisory Action mailed on 28 September 2009, issued in connection with U.S. Patent Application No. 10/816217, filed on 01 April 2004, 4 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	37	Agere Systems' Voice-over-Wireless LAN (VoWLAN) Station Quality of Service, AVAGO0015, Agere Systems, January 2005, 5 pages.	
	38	AKYILDIZ et al., "Multimedia Group Synchronization Protocols for Integrated Services Networks," IEEE Journal on Selected Areas in Communications, 1996 pp. 162-173, Vol. 14, No. 1.	
	39	Amazon: Philips MCW770 WiFi Wireless PC Link AM/FM 5-CD Microsystem (Discontinued by Manufacturer): Home Audio & Theater, 5 pages [online]. [retrieved on 2020-02-24]. Retrieved from the Internet URL: https://www.amazon.com/gp/product/B000278KLC. .	
	40	Amazon.com: CD30 c300 Wireless Network MP3 Player (Analog/Digital): Home Audio & Theater, 5 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	41	Amazon.com, Cisco-Linksys Wireless-B Music System WMLS11B, 5 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	42	Amazon.com, Cisco-Linksys WMA11B Wireless Digital Media Adapter, 6 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	43	Amazon.com. Creative Labs Sound Blaster Wireless Music: Electronics, 5 pages, [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	44	Amazon.com. Creative Labs Sound Blaster Wireless Music: Electronics, 7 pages, [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	45	American Telecommunications Certification Body In. RE: FCC ID: A6RMCX1000A 7 May 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	46	Anonymous, "Transmission Control Protocol," RFC: 793, USC/Information Sciences Institute, September 1981, 91 pages.	
	47	Apple. Airport Express, Setup Guide. 20 May 2004, 51 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	48	Apple. Airport Express, Setup Guide. 2004, 48 pages.	
	49	Apple Developer Connection. Browsing for Network Services. 12 November 2002, 5 pages.	
	50	Apple. NewsRoom, Apple "Open Sources" Rendezvous. 25 September 2002, 2 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	NewsRoom. Custom Home, Easy listening: the hard disk is shaping the future of home entertainment. (The Wired House)., 1 May 2003, 3 pages.	
	2	NewsRoom. D-Link to Supply Omnifi with Exclusive New Antenna for Streaming Audio Throughout the House, 8 January 2004, 3 pages.	
	3	NewsRoom. Easdown, R., System Heaven: Custom House Technofile, 24 November 2003, 5 pages.	
	4	NewsRoom. Electronic House Expo Announces 2005 Multi-Room Audio/Video Award Winners. 18 November 2005, 3 pages.	
	5	NewsRoom. Electronic House Expo Fall 2003 Exhibitor Profiles. Business Wire. 11 November 2003, 7 pages.	
	6	NewsRoom. Electronic House Expo Spring 2004 Exhibitor Profiles. Business Wire. 10 March 2004, 7 pages.	
	7	NewsRoom. Evangelista, B., SOUND AND FURY THE LATEST IN VOLUME AND VIDEO AT SF HOME ENTERTAINMENT SHOW, 6 June 2003, 3 pages.	
	8	NewsRoom. Fallon et al. THE GOODS, 31 July 2003, 2 pages.	
	9	NewsRoom. Future shocks - CONNECT: Your ultimate home-entertainment guide, 4 December 2003, 3 pages.	
	10	NewsRoom. Gracenote Powers New Music Devices for Home Audio, 8 January 2004, 3 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	11	NewsRoom. Greg, T., Rooms with a tune, 23 July 2003, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	NewsRoom. Hoffman, A., Computer networks start entertaining, 1 June 2003, 3 pages.	
	13	NewsRoom. Home theater systems that are a real blast, NEW STRAITS. 6 January 2000, 3 pages.	
	14	NewsRoom. IDG's PC World Announces Winners of the 2004 World Class Awards, 2 June 2004, 3 pages.	
	15	NewsRoom. InfoComm 2004 Exhibitors Volume 7, Issue 5, 1 May 2004, 24 pages.	
	16	NewsRoom. International Herald Tribune, Transmitting media gets easier cheaply, 31 January 2004, 2 pages.	
	17	NewsRoom. Latest electronic gadgets unveiled in Las Vegas: Wireless Devices take centre stage, 13 January 2003, 4 pages.	
	18	NewsRoom. Linksys Extends Wireless Functionality to the Television, 14 July 2003, 3 pages.	
	19	NewsRoom. Linksys Ships Wireless-B Media Link for Streamlined Delivery of Music From PC to Stereo Stream MP3s, Play Lists and Internet Radio to Any Stereo With the Wireless-B Media Link for Music, 19 May 2004, 3 pages.	
	20	NewsRoom. Linksys Wireless Home Products Are Hot Tech Gifts for 2003, 24 November 2003, 3 pages.	
	21	NewsRoom. Living room expansion – The PC is going from word processor to entertainment hub for many households, 18 August 2003, 4 pages.	
	22	NewsRoom. Macy's Returns To Electronics With Home Theater Boutique, 11 August 2003, 2 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	NewsRoom. Many different ways to enjoy digital music library, 29 April, 2003, 3 pages.	
	24	NewsRoom. Marlowe, C., Pad gadgets: home is where the gear is. 20 October, 2003, 2 pages.	
	25	NewsRoom. Miller II, S. A., Technology gets simpler and smarter, 14 January 2003, 2 pages.	
	26	NewsRoom. Miller, M., Adapted for flight: hands-on trial: wireless media adapters send digital entertainment soaring from PC to living room. 18 September 2003, 3 pages.	
	27	NewsRoom. Miller, S., Creating Virtual Jukeboxes Gadgets Make Digital Music Portable. 19 August 2003, 3 pages.	
	28	NewsRoom. Morning Call, Cutting the cord; Wi-Fi networks connect computers, TVs, DVD players and more without a clutter of wires, 2 February 2003, 5 pages.	
	29	NewsRoom. Mossberg, W., PC-stored music sent without wires, 25 January 2004, 2 pages.	
	30	NewsRoom. Nadel, B., Beam music, images from PC to stereo, TV: Linksys Wireless-B Media Adapter WMA11B. 1 November 2003, 2 pages.	
	31	NewsRoom. Net Briefs, 21 July 2003, 2 pages.	
	32	NewsRoom. NetWork World, The Toys of Summer, 1 September 2003, 3 pages.	
	33	NewsRoom. Networked C300 Speaks Your Language. 6 April 2003, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	NewsRoom. New Camera – Now What? It's easy to go wild printing, sharing your digital photos. 16 October, 2003, 2 pages.	
	35	NewsRoom. New Products Allow Easier Access to Audio Video on Home Computers, 9 November 2003, 3 pages.	
	36	NewsRoom. Newman, H., All-in-one Audio, Video Devices will be next big thing, 9 January 2003, 3 pages.	
	37	NewsRoom. Norris, A., Come over to my house. 23 January 2003, 3 pages.	
	38	NewsRoom. On The Printer Trail -- Ream of new SMB models offers channel a range of sales hooks CRN Test Center finds. 13 October 2003, 5 pages.	
	39	NewsRoom. One way to organize and weed Favorites, 8 May 2003, 3 pages.	
	40	NewsRoom, Outfitting your personal fortress of solitude, 14 March 2002, 4 pages.	
	41	NewsRoom. Philadelphia Inquirer, Wireless solution for stereo sound, 7 August 2003, 3 pages.	
	42	NewsRoom. Popular Science, Yamaha Musiccast An easy way to spread music around your home, 1 December 2003, 2 pages.	
	43	NewsRoom. PR Newswire, "Home Director Announces Availability of AudioPoint Receiver," 27 September 2002, 4 pages.	
	44	NewsRoom. Preview the New EZ-Stream Wireless Audio Adapter at CES January 8-11 2004 BridgeCo Booth 19629, 7 January 2004, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	NewsRoom. Receiver Lets Stereo Join The Wi-Fi Band, 10 April, 2003, 2 pages.	
	46	NewsRoom. Rogers, P., SPEAKER SCREECH: THE END IS NEAR, 8 April 2003, 2 pages.	
	47	NewsRoom. San Jose Mercury News, Intel Fund To Invest In Digital Home, 7 January 2004, 2 pages.	
	48	NewsRoom. SCIENCE & TECHNOLOGY: Wired for sound and video, 14 January 2004, 3 pages.	
	49	NewsRoom, Sears reveals plans for new Eatons stores, 26 October 2000, 3 pages.	
	50	NewsRoom. Seattle Times, Inventions real stars of the show As speeches predict future 100,000 browse 'superstore', 13 January 2003, 4 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	NewsRoom, Sensible Sound, Goin' to a show-show, Surveying The Soundscape, 1 June 2003, 8 pages.	
	2	NewsRoom. Shaw, K., Cool Tools, 20 January 2003, 2 pages.	
	3	NewsRoom. Sheehan, W., More brains, less brawn. 1 September 2003, 3 pages.	
	4	NewsRoom. Sidener, J., Everett Roach, 14 July 2003, 2 pages.	
	5	NewsRoom. Sirius XM Companies Flood Cedia With New Products. Satellite Week. 15 September 2003, 2 pages.	
	6	NewsRoom. Slim Devices Introduces Slimserver, 18 November 2003, 2 pages.	
	7	NewsRoom. Slim Devices Introduces Slimserver. PR Newswire. 18 November 2003, 2 pages.	
	8	NewsRoom. Slim Devices Introduces Squeezebox, 18 November, 2003, 2 pages.	
	9	NewsRoom. SMC Sponsors Canada's First Combined 'LAN Event' for Gamers: DreamlanSMC, 15 January 2004, 2 pages.	
	10	NewsRoom. SMC Sponsors Canada's First Combined 'LAN Event' for Gamers: DreamlanSMC, 15 January 2004, 3 pages.	
	11	NewsRoom. SMC Sponsors Home by Design Showhouse/Connected by Design Tour, 6 January 2004, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	NewsRoom. SMC Teams with Get Digital to Offer Free Music Conversion to Its Wireless Audio Adapter Users, 23 February 2004, 3 pages.	
	13	NewsRoom. SMC teams with Get Digital to offer free music conversion to wireless users, 29 March 2004, 1 page.	
	14	NewsRoom. SMC to Offer Home Entertainment Networking Bundle With New Intel Desktop Boards, 3 November, 2003, 3 pages.	
	15	NewsRoom. Sonic divide crumbles, 2001 WLNR 5430795. 5 September 2001, 3 pages.	
	16	NewsRoom. SOUND AND FURY THE LATEST IN VOLUME AND VIDEO AT SF HOME ENTERTAINMENT SHOW 6 June 2003, 3 pages.	
	17	NewsRoom. Sound Blaster Goes Wireless, 30 September 2003, 3 pages.	
	18	NewsRoom. St. Paul Pioneer Press, Guide To Better Giving You Know These People. Why Is It So Hard To Buy For Them? Maybe It's Not: Everyone Need Technology, From the Littlest Angel to the Most Resistant Grandparent, 24 November 2003, 6 pages.	
	19	NewsRoom. Sullivan, A., PluggedIn - Digital music migrates to the home stereo, 28 October 2003, 3 pages.	
	20	NewsRoom. Tech along, 25 January 2004, 3 pages.	
	21	NewsRoom. Technology Life in the iPad. 15 March 2007, 5 pages.	
	22	NewsRoom. Televisions defy hi-tech trend for minimalism, 19 February 2004, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	NewsRoom. The 50 Best Music Systems, 13 December 2003, 15 pages.	
	24	NewsRoom. The Age (Australia), Fresh Gadgets, 2001 WLNR 13294645, 7 September 2001, 3 pages.	
	25	NewsRoom. The Dallas Morning News, Honorable mentions worth a look, 20 November 2003, 2 pages.	
	26	NewsRoom. The Dallas Morning News, Innovations Hasten Trend of On-the-Go Music, Video, Technology, 16 January 2003, 4 pages.	
	27	NewsRoom. The Dallas Morning News, Wireless Technology Focus of Consumer Electronics Show in Las Vegas, 9 January 2003, 4 pages.	
	28	NewsRoom, THE GOODS WHATS' NEW WHAT'S HOT, 9 November 2000, 2 pages.	
	29	NewsRoom. THE NEXT ACE IN THE HOLE? – Epson HP set the stage for promising alternatives to wired solutions in vertical markets, 14 January 2002, 3 pages.	
	30	NewsRoom. The Orange County Register, Holiday Season Brings Gift Ideas for Tech-Heads, Gadget Groupie, 8 December 2003, 4 pages.	
	31	NewsRoom. The personal computer shows its creative side. Technology has discovered its next "killer app." 14 August 2003, 3 pages.	
	32	NewsRoom. The top 25: computer shopper editors handpick this months best desktops notebooks digital audio receivers, handhelds, and software. 1 November 2003, 3 pages.	
	33	NewsRoom. The toys of summer: Some cool tools that will get you through the lazy days. 1 September 2003, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	NewsRoom. The wide world of Wi-Fi: wherever you are, wireless networking is where it's at. Find out which Wi-Fi components will help you stay connected while... 1 May 2004, 7 pages.	
	35	NewsRoom. Ticker, 1 August 2003, 2 pages.	
	36	NewsRoom. Washington Post, Ask the Computer Guy, 11 January 2004, 2 pages.	
	37	NewsRoom. Yamaha Announces the Worlds First Wireless Home Music System. 11 August 2003, 2 pages.	
	38	NewsRoom. Yamaha Musiccast An easy way to spread music around your home. 1 December 2003, 2 pages.	
	39	NewsRoom.Slim Devices Introduces Squeezebox. PR Newswire. 18 November 2003, 2 pages.	
	40	"NexSys Software v.3 Manual," Crest Audio, Inc., 1997, 76 pages.	
	41	NIEDERST, JENNIFER "O'Reilly Web Design in a Nutshell," Second Edition, September 2001, 678 pages.	
	42	Niles SI-1230. Systems Integration Amplifier. Installation & Operation Guide, 2009, 32 pages.	
	43	Niles SI-1260. Systems Integration Amplifier. Installation & Operation Guide, 2000, 32 pages.	
	44	NILES SVL-4 Speaker Selection/Volume Control System Installation & Operation Guide. Copyright 1999. Sourced from Sonos, Inc. v. Lenbrook Industries Limited et al., Defendants' Answer to Plaintiff's Complaint - Exhibit C, filed October 14, 2019, 16 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	NILSSON, M., "ID3 Tag Version 2," March 26,1998, 28 pages.	
	46	Non-Final Office Action mailed 01 May 2014, issued in connection with U.S. Patent Application No. 14/184522, filed 19 February 2014, 31 pages.	
	47	Non-Final Office Action mailed 05 December 2013, issued in connection with U.S. Patent Application No. 13/827653, filed 14 March 2013, 28 pages.	
	48	Non-Final Office Action mailed 05 January 2012, issued in connection with U.S. Patent Application No. 13/298090, filed on 16 November 2011, 40 pages.	
	49	Non-Final Office Action mailed 06 May 2014, issued in connection with U.S. Paten Application No. 13/705176, filed 05 December 2012, 23 pages.	
	50	Non-Final Office Action mailed 07 September 2016, issued in connection with U.S. Patent Application No. 13/864248, filed 17 April 2013, 12 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Non-final Office Action mailed 10 April 2013, issued in connection with U.S. Patent Application No. 13/619237, filed 14 September 2012, 10 pages.	
	2	Non-Final Office Action mailed 12 May 2014, issued in connection with U.S. Patent Application No. 14/184528, filed 19 February 2014, 23 pages.	
	3	Non-Final Office Action mailed 14 May 2014, issued in connection with U.S. Patent Application No. 13/848932, filed 22 March 2013, 14 pages.	
	4	Non-Final Office Action mailed 17 June 2014, issued in connection with U.S. Patent Application No. 14/176808, filed 10 February 2014, 6 pages.	
	5	Non-Final Office Action mailed 18 December 2013, issued in connection with U.S. Patent Application No. 13/907666, filed 31 May 2013, 12 pages.	
	6	Non-Final Office Action mailed 18 January 2008, issued in connection with U.S. Patent Application No. 10/816217, filed 01 April 2004, 38 pages.	
	7	Non-Final Office Action mailed 19 April 2010, issued in connection with U.S. Patent Application No. 11/801468, filed 09 May 2007, 16 pages.	
	8	Non-Final Office Action mailed 19 March 2013, issued in connection with U.S. Patent Application No. 13/724048, filed 21 December 2012, 9 pages.	
	9	Non-Final Office Action mailed 21 June 2011, issued in connection with U.S. Patent Application No. 10/816217, filed 01 April 2004, 13 pages.	
	10	Non-Final Office Action mailed 22 January 2009, issued in connection with U.S. Patent Application No. 10/816217, filed 01 April 2004, 18 pages.	
	11	Non-Final Office Action mailed 25 July 2014, issued in connection with U.S. Patent Application No. 14/184526, filed 19 February 2014, 9 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Non-Final Office Action mailed 25 July 2014, issued in connection with U.S. Patent Application No. 14/184935, filed 20 February 2014, 11 pages.	
	13	Non-Final Office Action mailed 25 June 2010, issued in connection with U.S. Patent Application No. 10/816217, filed 01 April 2004, 17 pages.	
	14	Non-Final Office Action mailed 25 November 2013, issued in connection with U.S. Patent Application No. 13/533105, filed 26 June 2012, 19 pages.	
	15	Non-Final Office Action mailed 27 May 2014, issued in connection with U.S. Patent Application No. 14/186850, filed 21 February 2014, 13 pages.	
	16	Non-Final Office Action mailed 29 February 2012, issued in connection with U.S. Patent Application No. 13/297000, filed on 15 November 2011, 10 pages.	
	17	Non-Final Office Action mailed 29 November 2010, issued in connection with U.S. Patent Application No. 11/801468, filed on 09 May 2007, 17 pages.	
	18	Non-Final Office Action mailed 30 July 2013 issued in connection with U.S. Patent Application No. 13/724048, filed on 21 December 2012, 7 pages.	
	19	Non-Final Office Action mailed 31 July 2014, issued in connection with U.S. Patent Application No.13/533105, filed on 26 June 2012, 31 pages.	
	20	Non-Final Office Action mailed on 01 December 2014, issued in connection with U.S. Patent Application No. 14/516867, filed on 17 October 2014, 11 pages.	
	21	Non-Final Office Action mailed on 01 June 2016, issued in connection with U.S. Patent Application No. 14/184522, filed on 19 February 2014, 21 pages.	
	22	Non-Final Office Action mailed on 01 September 2010, issued in connection with U.S. Patent Application No. 11/147116, filed 06 June 2005, 36 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Non-Final Office Action mailed on 02 November 2016, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 37 pages.	
	24	Non-Final Office Action mailed on 03 February 2009, issued in connection with U.S. Patent Application No. 11/147116, filed on 06 June 2005, 32 pages.	
	25	Non-Final Office Action mailed on 03 January 2017, issued in connection with U.S. Patent Application No. 14/808875, filed on 24 July 2015, 10 pages.	
	26	Non-Final Office Action mailed on 03 June 2015, issued in connection with U.S. Patent Application No. 14/564544, filed on 09 December 2014, 7 pages.	
	27	Non-Final Office Action mailed on 03 November 2016, issued in connection with U.S. Patent Application No. 14/184528, filed on 19 February 2014, 17 pages.	
	28	Non-Final Office Action mailed on 03 October 2014, issued in connection with U.S. Patent Application No. 13/863083, filed on 15 April 2013, 22 pages.	
	29	Non-Final Office Action mailed on 04 June 2015, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 16 pages.	
	30	Non-Final Office Action mailed on 04 March 2015, issued in connection with U.S. Patent Application No. 13/435776, filed on 30 March 2012, 16 pages.	
	31	Non-Final Office Action mailed on 04 October 2016, issued in connection with U.S. Patent Application No. 15/089758, filed on 04 April 2016, 9 pages.	
	32	Non-Final Office Action mailed on 04 September 2019, issued in connection with U.S. Patent Application No. 15/091113, filed on 5 April 2016, 23 pages.	
	33	Non-Final Office Action mailed on 05 October 2016, issued in connection with U.S. Patent Application No. 13/864250, filed on 17 April 2013, 10 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Non-Final Office Action mailed on 05 October 2016, issued in connection with U.S. Patent Application No. 13/864252, filed on 17 April 2013, 11 pages.	
	35	Non-Final Office Action mailed on 06 October 2016, issued in connection with U.S. Patent Application No. 15/088678, filed on 01 April 2016, 9 pages.	
	36	Non-Final Office Action mailed on 07 July 2015, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 22 pages.	
	37	Non-Final Office Action mailed on 07 November 2011, issued in connection with U.S. Patent Application No. 11/147116, filed 06 June 2005, 48 pages.	
	38	Non-Final Office Action mailed on 07 October 2016, issued in connection with U.S. Patent Application No. 15/156392, filed on 17 May 2016, 8 pages.	
	39	Non-Final Office Action mailed on 08 March 2016, issued in connection with U.S. Patent Application No. 13/848921, filed on 22 March 2013, 13 pages.	
	40	Non-Final Office Action mailed on 09 August 2016, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 31 pages.	
	41	Non-Final Office Action mailed on 10 April 2017, issued in connection with U.S. Patent Application No. 13/871785, filed on 26 April 2013, 10 pages.	
	42	Non-Final Office Action mailed on 10 March 2011, issued in connection with U.S. Patent Application No. 12/035112, filed on 21 February 2008, 12 pages.	
	43	Non-Final Office Action mailed on 10 May 2016, issued in connection with U.S. Patent Application No. 14/504812, filed 02 October 2014, 22 pages.	
	44	Non-Final Office Action mailed on 10 November 2016, issued in connection with U.S. Patent Application No. 15/243355, filed on 22 August 2016, 11 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Non-Final Office Action mailed on 11 July 2017, issued in connection with U.S. Patent Application No. 13/848921, filed on 22 March 2013, 10 pages.	
	46	Non-Final Office Action mailed on 12 January 2017, issued in connection with U.S. Patent Application No. 13/895076, filed on 15 May 2013, 10 pages.	
	47	Non-Final Office Action mailed on 12 June 2015, issued in connection with U.S. Patent Application No. 13/848932, filed on 22 March 2013, 16 pages.	
	48	Non-Final Office Action mailed on 12 March 2015, issued in connection with U.S. Patent Application No. 13/705174, filed on 05 December 2012, 13 pages.	
	49	Non-Final Office Action mailed on 13 January 2016, issued in connection with U.S. Patent Application No. 14/184528, filed on 19 February 2014, 14 pages.	
	50	Non-Final Office Action mailed on 13 March 2015, issued in connection with U.S. Patent Application No. 13/705177, filed 05 December 2012, 15 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Non-Final Office Action mailed on 15 August 2017, issued in connection with U.S. Patent Application No. 14/184522, filed on 19 February 2014, 11 pages.	
	2	Non-Final Office Action mailed on 15 July 2016, issued in connection with U.S. Patent Application No. 14/803953, filed on 20 July 2015, 20 pages.	
	3	Non-Final Office Action mailed on 16 November 2016, issued in connection with U.S. Patent Application No. 15/228639, filed on 04 August 2016, 15 pages.	
	4	Non-Final Office Action mailed on 17 August 2017, issued in connection with U.S. Patent Application No. 14/184528, filed on 19 February 2014, 12 pages.	
	5	Non-Final Office Action mailed on 17 November 2014, issued in connection with U.S. Patent Application No. 13/864247, filed on 17 April 2013, 11 pages.	
	6	Non-Final Office Action mailed on 18 February 2009, issued in connection with U.S. Patent Application No. 10/861653, filed on 05 June 2004, 18 pages.	
	7	Non-Final Office Action mailed on 18 January 2013, issued in connection with U.S. Patent Application No. 13/618829, filed on 14 September 2012, 58 pages.	
	8	Non-Final Office Action mailed on 18 November 2014, issued in connection with U.S. Patent Application No. 13/435739, filed on 30 March 2012, 10 pages.	
	9	Non-Final Office Action mailed on 19 June 2015, issued in connection with U.S. Patent Application No. 13/533105 filed on 26 June 2012, 38 pages.	
	10	Non-Final Office Action mailed on 19 November 2014, issued in connection with U.S. Patent Application No. 13/848921, filed on 22 March 2013, 9 pages.	
	11	Non-Final Office Action mailed on 20 April 2017, issued in connection with U.S. Patent Application No. 90/013882, filed on 27 December 2016, 197 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Non-Final Office Action mailed on 20 August 2009, issued in connection with U.S. Patent Application No. 11/906702, filed on 02 October 2007, 27 pages.	
	13	Non-Final Office Action mailed on 21 February 2020, issued in connection with U.S. Patent Application No. 16/746294, filed on 17 January 2020, 22 pages.	
	14	Non-Final Office Action mailed on 21 September 2016, issued in connection with U.S. Patent Application No. 15/080591, filed on 25 March 2016, 9 pages.	
	15	Non-Final Office Action mailed on 21 September 2016, issued in connection with U.S. Patent Application No. 15/080716, filed on 25 March 2016, 8 pages.	
	16	Non-Final Office Action mailed on 21 September 2016, issued in connection with U.S. Patent Application No. 15/088283, filed on 01 April 2016, 9 pages.	
	17	Non-Final Office Action mailed on 21 September 2016, issued in connection with U.S. Patent Application No. 15/088532, filed on 01 April 2016, 9 pages.	
	18	Non-Final Office Action mailed on 22 September 2016, issued in connection with U.S. Patent Application No. 15/088906, filed on 01 April 2016, 9 pages.	
	19	Non-Final Office Action mailed on 22 September 2016, issued in connection with U.S. Patent Application No. 15/155149, filed on 16 May 2016, 7 pages.	
	20	Non-Final Office Action mailed on 23 July 2018, issued in connection with U.S. Patent Application No. 15/091113, filed on 5 April 2016, 19 pages.	
	21	Non-Final Office Action mailed on 23 June 2015, issued in connection with U.S. Patent Application No. 13/705176, filed on 05 December 2012, 30 pages.	
	22	Non-Final Office Action mailed on 23 October 2014, issued in connection with U.S. Patent Application No. 13/848904, filed on 22 March 2013, 11 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Non-Final Office Action mailed on 23 October 2014, issued in connection with U.S. Patent Application No. 13/864251, filed on 17 April 2013, 11 pages.	
	24	Non-Final Office Action mailed on 23 October 2014, issued in connection with U.S. Patent Application No. 13/888203, filed on 06 May 2013, 9 pages.	
	25	Non-Final Office Action mailed on 23 October 2014, issued in connection with U.S. Patent Application No. 13/932864, filed on 01 July 2013, 20 pages.	
	26	Non-final Office Action mailed on 24 October 2014, issued in connection with U.S. Patent Application No. 13/435776, filed 30 March 2012, 14 pages.	
	27	Non-Final Office Action mailed on 26 February 2015, issued in connection with U.S. Patent Application No. 14/186850, filed on 21 February 2014, 25 pages.	
	28	Non-Final Office Action mailed on 26 July 2017, issued in connection with U.S. Patent Application No. 13/705176, filed on 05 December 2012, 14 pages.	
	29	Non-Final Office Action mailed on 26 March 2015, issued in connection with U.S. Patent Application No. 14/184528, filed on 19 February 2014, 18 pages.	
	30	Non-Final Office Action mailed on 27 June 2008, issued in connection with U.S. Patent Application No. 10/861653, filed on 05 June 2004, 19 pages.	
	31	Non-Final Office Action mailed on 27 March 2015, issued in connection with U.S. Patent Application No. 13/705178, filed on 05 December 2012, 14 pages.	
	32	Non-Final Office Action mailed on 28 December 2015, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 29 pages.	
	33	Non-Final Office Action mailed on 29 November 2016, issued in connection with U.S. Patent Application No. 13/894179, filed on 14 May 2013, 14 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Non-Final Office Action mailed on 30 April 2012, issued in connection with U.S. Patent Application No. 13/204511, filed on 05 August 2011, 16 pages.	
	35	Non-Final Office Action mailed on 30 January 2015, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 29 pages.	
	36	Non-Final Office Action mailed on 30 January 2015, issued in connection with U.S. Patent Application No. 14/504812, filed on 02 October 2014, 13 pages.	
	37	Non-Final Office Action mailed on 30 May 2019, issued in connection with U.S. Patent Application No. 16/298515, filed on 11 March 2019, 22 pages.	
	38	Non-Final Office Action mailed on 30 May 2019, issued in connection with U.S. Patent Application No. 16/298542, filed on 11 March 2019, 22 pages.	
	39	Non-Final Office Action mailed on 30 November 2016, issued in connection with U.S. Patent Application No. 15/243186, filed on 22 August 2016, 12 pages.	
	40	Non-Final Office Action mailed on 30 September 2016, issued in connection with U.S. Patent Application No. 13/864249, filed on 17 April 2013, 12 pages.	
	41	Non-Final Office Action mailed on 31 December 2013, issued in connection with U.S. Patent Application No. 13/618829, filed 14 September 2012, 26 pages.	
	42	North American MPEG-2 Information, "The MPEG-2 Transport Stream," Retrieved from the Internet: URL: http://www.coolstf.com/mpeg/#ts, 2006, pp. 1-5.	
	43	Notice of Allowance mailed 31 January 2013, issued in connection with U.S. Patent Application No. 13/298090, filed on 16 November 2011, 19 pages.	
	44	Notice of Allowance mailed on 01 December 2016, issued in connection with U.S. Patent Application No. 15/088283, filed on 01 April 2016, 9 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Notice of Allowance mailed on 01 June 2017, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 12 pages.	
	46	Notice of Allowance mailed on 02 December 2016, issued in connection with U.S. Patent Application No. 15/088532, filed on 01 April 2016, 9 pages.	
	47	Notice of Allowance mailed on 02 December 2016, issued in connection with U.S. Patent Application No. 15/088678, filed on 01 April 2016, 9 pages.	
	48	Notice of Allowance mailed on 02 December 2016, issued in connection with U.S. Patent Application No. 15/089758, filed on 04 April 2016, 9 pages.	
	49	Notice of Allowance mailed on 02 December 2016, issued in connection with U.S. Patent Application No. 15/155149, filed on 16 May 2016, 9 pages.	
	50	Notice of Allowance mailed on 02 July 2015, issued in connection with U.S. Patent Application No. 13/848904, filed on 22 March 2013, 17 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Notice of Allowance mailed on 02 July 2015, issued in connection with U.S. Patent Application No. 13/888203, filed on 06 May 2013, 19 pages.	
	2	Notice of Allowance mailed on 02 July 2015, issued in connection with U.S. Patent Application No. 14/184935, filed on 20 February 2014, 23 pages.	
	3	Notice of Allowance mailed on 02 June 2017, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 10 pages.	
	4	Notice of Allowance mailed on 03 April 2017, issued in connection with U.S. Patent Application No. 15/088678, filed on 01 April 2016, 8 pages.	
	5	Notice of Allowance mailed on 03 September 2015, issued in connection with U.S. Patent Application No. 13/705174, filed on 05 December 2012, 4 pages.	
	6	Notice of Allowance mailed on 04 August 2015, issued in connection with U.S. Patent Application No. 14/516867, filed on 17 October 2014, 13 pages.	
	7	Notice of Allowance mailed on 04 October 2017, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 8 pages.	
	8	Notice of Allowance mailed on 05 October 2012, issued in connection with U.S. Patent Application No. 13/204511, filed on 05 August 2011, 11 pages.	
	9	Notice of Allowance mailed on 06 March 2014, issued in connection with U.S. Patent Application No. 13/827653, filed 14 March 2013, 17 pages.	
	10	Notice of Allowance mailed on 06 May 2011, issued in connection with U.S. Patent Application No. 11/801468, filed 09 May 2007, 10 pages.	
	11	Notice of Allowance mailed on 06 September 2013, issued in connection with U.S. Patent Application No. 13/619237, filed on 14 September 2012, 10 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Notice of Allowance mailed on 07 April 2016, issued in connection with U.S. Patent Application No. 13/533105, filed on 26 June 2012, 40 pages.	
	13	Notice of Allowance mailed on 07 December 2016, issued in connection with U.S. Patent Application No. 15/156392, filed on 17 May 2016, 9 pages.	
	14	Notice of Allowance mailed on 07 October 2015, issued in connection with U.S. Patent Application No. 14/184526, filed on 19 February 2014, 7 pages.	
	15	Notice of Allowance mailed on 09 March 2017, issued in connection with U.S. Patent Application No. 15/080591, filed on 25 March 2016, 7 pages.	
	16	Notice of Allowance mailed on 09 October 2015, issued in connection with U.S. Patent Application No. 13/435739, filed on 30 March 2012, 4 pages.	
	17	Notice of Allowance mailed on 10 August 2015, issued in connection with U.S. Patent Application No. 13/848904, filed on 22 March 2013, 9 pages.	
	18	Notice of Allowance mailed on 10 February 2017, issued in connection with U.S. Application No. 14/290493, filed on 29 May 2014, 13 pages.	
	19	Notice of Allowance mailed on 10 November 2011, issued in connection with U.S. Patent Application No. 11/906702, filed on 02 October 2007, 17 pages.	
	20	Notice of Allowance mailed on 11 April 2016, issued in connection with U.S. Patent Application No. 13/864247, filed on 17 April 2013, 21 pages.	
	21	Notice of Allowance mailed on 11 January 2016, issued in connection with U.S. Patent Application No. 14/564544, filed on 09 December 2014, 5 pages.	
	22	Notice of Allowance mailed on 12 August 2015, issued in connection with U.S. Patent Application No. 13/435739, filed on 30 March 2012, 27 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Notice of Allowance mailed on 12 July 2017, issued in connection with U.S. Patent Application No. 13/894179, filed on 14 May 2013, 10 pages.	
	24	Notice of Allowance mailed on 13 December 2016, issued in connection with U.S. Patent Application No. 15/080591, filed on 25 March 2016, 9 pages.	
	25	Notice of Allowance mailed on 13 July 2015, issued in connection with U.S. Patent Application No. 14/184526, filed on 19 February 2014, 22 pages.	
	26	Notice of Allowance mailed on 13 July 2017, issued in connection with U.S. Patent Application No. 13/895076, filed on 15 May 2013, 10 pages.	
	27	Notice of Allowance mailed on 13 November 2013, issued in connection with U.S. Patent Application No. 13/724048, filed 21 December 2012, 7 pages.	
	28	Notice of Allowance mailed on 13 October 2015, issued in connection with U.S. Patent Application No. 13/864251, filed on 17 April 2013, 7 pages.	
	29	Notice of Allowance mailed on 14 August 2012, issued in connection withU.S. Patent Application No. 11/147116, filed on 06 June 2005, 33 pages.	
	30	Notice of Allowance mailed on 14 December 2016, issued in connection with U.S. Patent Application No. 15/088906, filed on 01 April 2016, 9 pages.	
	31	Notice of Allowance mailed on 14 June 2012, issued in connection with U.S. Patent Application No. 12/035112, filed on 21 February 2008, 9 pages.	
	32	Notice of Allowance mailed on 15 July 2015, issued in connection with U.S. Patent Application No. 13/705174, filed on 05 December 2012, 18 pages.	
	33	Notice of Allowance mailed on 15 March 2017, issued in connection with U.S. Patent Application No. 15/080716, filed on 25 March 2016, 7 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Notice of Allowance mailed on 15 November 2019, issued in connection with U.S. Patent Application No. 16/298515, filed on 11 March 2019, 8 pages.	
	35	Notice of Allowance mailed on 16 June 2009, issued in connection with U.S. Patent Application No. 10/861653, filed on 05 June 2004, 11 pages.	
	36	Notice of Allowance mailed on 17 July 2015, issued in connection with U.S. Patent Application No. 13/864251, filed on 17 April 2013, 20 pages.	
	37	Notice of Allowance mailed on 17 May 2018, issued in connection with U.S. Patent Application No. 14/805085, filed on 21 July 2015, 18 pages.	
	38	Notice of Allowance mailed on 18 July 2014, issued in connection with U.S. Patent Application No. 13/618829, filed on 14 September 2012, 8 pages.	
	39	Notice of Allowance mailed on 19 May 2015, issued in connection with U.S. Patent Application No. 13/907666, filed on 31 May 2013, 7 pages.	
	40	Notice of Allowance mailed on 19 October 2016, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 14 pages.	
	41	Notice of Allowance mailed on 2 April 2020, issued in connection with U.S. Patent Application No. 15/091113, filed on 5 April 2016, 8 pages.	
	42	Notice of Allowance mailed on 21 September 2015, issued in connection with U.S. Patent Application No. 13/297000, filed on 15 November 2011, 11 pages.	
	43	Notice of Allowance mailed on 22 December 2016, issued in connection with U.S. Patent Application No. 15/080716, filed on 25 March 2016, 9 pages.	
	44	Notice of Allowance mailed on 22 September 2015, issued in connection with U.S. Patent Application No. 13/888203, filed on 06 May 2013, 7 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Notice of Allowance mailed on 23 November 2016, issued in connection with U.S. Patent Application No. 14/803953, filed on 20 July 2015, 21 pages.	
	46	Notice of Allowance mailed on 24 September 2015, issued in connection with U.S. Patent Application No. 13/705174, filed on 05 December 2012, 7 pages.	
	47	Notice of Allowance mailed on 24 September 2015, issued in connection with U.S. Patent Application No. 14/184935, filed on 20 February 2014, 7 pages.	
	48	Notice of Allowance mailed on 24 September 2019, issued in connection with U.S. Patent Application No. 16/298515, filed on 11 March 2019, 8 pages.	
	49	Notice of Allowance mailed on 25 April 2017, issued in connection with U.S. Patent Application No. 15/156392, filed on 17 May 2016, 8 pages.	
	50	Notice of Allowance mailed on 25 September 2014, issued in connection with U.S. Patent Application No. 14/176808, filed on 10 February 2014, 5 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Notice of Allowance mailed on 26 August 2019, issued in connection with U.S. Patent Application No. 16/298,542, filed on 11 March 2019, 8 pages.	
	2	Notice of Allowance mailed on 27 April 2015, issued in connection with U.S. Patent Application No. 13/932864, filed on 01 July 2013, 20 pages.	
	3	Notice of Allowance mailed on 27 August 2015, issued in connection with U.S. Patent Application No. 13/705177, filed on 05 December 2012, 34 pages.	
	4	Notice of Allowance mailed on 27 August 2015, issued in connection with U.S. Patent Application No. 14/505027, filed on 02 October 2014, 18 pages.	
	5	Notice of Allowance mailed on 27 December 2011, issued in connection with U.S. Patent Application No. 10/816217, filed 01 April 2004, 15 pages.	
	6	Notice of Allowance mailed on 27 March 2017, issued in connection with U.S. Patent Application No. 15/089758, filed on 04 April 2016, 7 pages.	
	7	Notice of Allowance mailed on 28 July 2020, issued in connection with U.S. Patent Application No. 15/091113, filed on 5 April 2016, 8 pages.	
	8	Notice of Allowance mailed on 28 March 2017, issued in connection with U.S. Patent Application No. 15/088906, filed on 01 April 2016, 7 pages.	
	9	Notice of Allowance mailed on 28 March 2017, issued in connection with U.S. Patent Application No. 15/155149, filed on 16 May 2016, 7 pages.	
	10	Notice of Allowance mailed on 28 November 2017, issued in connection with U.S. Patent Application No. 15/091014, filed on 05 April 2016, 8 pages.	
	11	Notice of Allowance mailed on 29 April 2015, issued in connection with U.S. Patent Application No. 13/863083, filed on 15 April 2013, 19 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Notice of Allowance mailed on 29 July 2015, issued in connection with U.S. Patent Application No. 13/359976, filed on 27 January 2012, 28 pages.	
	13	Notice of Allowance mailed on 29 July 2015, issued in connection with U.S. Patent Application No. 14/186850, filed on 21 February 2014, 9 pages.	
	14	Notice of Allowance mailed on 29 March 2017, issued in connection with U.S. Patent Application No. 14/803953, filed on 20 July 2015, 8 pages.	
	15	Notice of Allowance mailed on 3 April 2017, issued in connection with U.S. Patent Application No. 15/088678, filed on 1 April 2016, 8 pages.	
	16	Notice of Allowance mailed on 30 August 2016, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 7 pages.	
	17	Notice of Allowance mailed on 30 July 2015, issued in connection with U.S. Patent Application No. 13/705178, filed on05 December 2012, 18 pages.	
	18	Notice of Allowance mailed on 30 March 2017, issued in connection with U.S. Patent Application No. 15/088532, filed on 01 April 2016, 7 pages.	
	19	Notice of Allowance mailed on 30 September 2020, issued in connection with U.S. Patent Application No. 16/746294, filed on 17 January 2020, 9 pages.	
	20	Notice of Allowance mailed on 5 August 2015, issued in connection with U.S. Patent Application No. 13/435776, filed on 30 March 2012, 26 pages.	
	21	Notice of Allowance mailed on 6 April 2017, issued in connection with U.S. Patent Application No. 15/088283, filed on 1 April 2016, 7 pages.	
	22	Notice of Allowance mailed on 6 July 2015, issued in connection with U.S. Patent Application No. 13/297000, filed on 15 November 2011, 24 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Notice of Incomplete Re-Exam Request mailed on 25 May 2017, issued in connection with U.S. Patent Application No. 90/013959 , filed on 01 April 2016, 10 pages.	
	24	Notice of Intent to Issue Re-Examination Certificate mailed on 03 August 2017, issued in connection with U.S. Patent Application No. 90/013882, filed on 27 December 2016, 20 pages.	
	25	NUTZEL et al., "Sharing Systems for Future HiFi Systems," IEEE, 2004, 9 pages.	
	26	OET Exhibits List, Federal Communications Commission, Office of Engineering and Technology, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	27	Office Action in Ex Parte Reexamination mailed on 20 October 2017, issued in connection with U.S. Patent Reexamination Application No. 90/013959, filed on 16 June 2017, 50 pages.	
	28	Olenick, Doug. Networked MP3 Player Lineup Bows From cd3o. 9 January 2003, 6 pages.	
	29	Olenick, Doug. Twice, Networked MP3 Player Lineup Bows from cd3o, 9 January 2003, 2 pages.	
	30	Omnifi A Simple Media Experience. DMSI User Manual, July 2003 36 pages.	
	31	Omnifi DMS1 Wi-Fi Media Receiver Page 2, Sound & Vision, Copyright 2020, 7 pages.	
	32	Omnifi DMS1 Wi-Fi Media Receiver Page 3, Sound & Vision, Copyright 2020, 5 pages.	
	33	"Sonos Multi-Room Music System User Guide," Version 090401, Sonos, Inc. 1 April 2009, 256 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Operational Description, FCC ID: IXMWAA-B-AGB-01, ADT No. 921020H02, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	35	P4 0.3.1 software/source code available via link ("Download P4 0.3.1.") 1 page [online]. [retrieved on 2020-03-26]. Retrieved from the Internet URL: http://snarfed.org/p4.	
	36	p4sync/player.cpp. GitHub. Copyright 2005, 4 pages [online], [retrieved on 2020-03-26]. Retrieved from the Internet URL: http://github.com/snarfed/p4sync/blob/master/player.cpp.	
	37	Palm, Inc., "Handbook for the Palm VII Handheld," May 2000, 311 pages.	
	38	Parasound Zpre2 Zone Preamplifier with PTZI Remote Control, 2005, 16 pages.	
	39	PARK et al., "Group Synchronization in MultiCast Media Communications," Proceedings of the 5th Research on Multicast Technology Workshop, 2003, 5 pages.	
	40	Parrot - All Products - Bluetooth Hands Free Car Kits, 21 October 2008, 3 pages.	
	41	Parrot DS1120 - Wireless Hi-Fi Stereo Sound System, 22 November 2008, 3 pages .	
	42	Parrot DS1120 User Guide, English. Retrieved on 2020-03-26, 11 pages.	
	43	Parrot DS1120 User Manual, 2007, 22 pages.	
	44	Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications. ANSI/IEEE Std 802.11, 1999 Edition, 528 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	PASCOE, Bob, "Salutation Architectures and the newly defined service discovery protocols from Microsoft® and Sun®," Salutation Consortium, White Paper, June 6, 1999, 5 pages.	
	46	Philips. Installation CD Content, software/ source code available via zip file ("Installation CD Content") published September 15, 2004, 3 pages [online], [retrieved on 2020-02-24]. Retrieved from the Internet URL : https://www.usa.philips.com/c-p/MCW770_37/-/support.	
	47	Philips Leads Consumer Electronics Industry with 21 CES Innovation Awards. Business Wire. 2004 International CES, 6 January 2004, 3 pages. .	
	48	Philips. MC W7708. Wireless PC Link Quick Installation. Published December 22, 2004, 8 pages. .	
	49	Philips. MCW770 Leaflet. Remote Control MP3 Music from Your PC…Wirelessly. MP3 Micro Hi-Fi System with 5 CD Tray Changer. Published March 2, 2004, 2 pages. .	
	50	Philips. MCW770 Quick Use Guide. English version. Published December 22, 2004, 4 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Philips Media Manager 3.3.12.0004 Release Notes, last modified 29 August 2006, 2 pages.	
	2	Philips. Media Manager Software - English version: PMM 3.3.12, software/ source code available via zip file ("Media Manager Software - English") published September 15, 2004, 3 pages [online], [retrieved on 2020-02-24]. Retrieved from the Internet URL : https://www.usa.philips.com/c-p/MCW770_37/-/support.	
	3	Philips. PC Software version: V.12.1, software/ source code available via zip file ("PC Software") published September 15, 2004, 3 pages [online], [retrieved on 2020-02-24]. Retrieved from the Internet URL : https://www.usa.philips.com/c-p/MCW770_37/-/support.	
	4	Philips.Wireless PC Link Micro MCW770 Custom Installation, User Manual, published August 24, 2004, 61 pages.	
	5	PILLAI et al., "A Method to Improve the Robustness of MPEG Video Applications over Wireless Networks," Kent Ridge Digital Labs, 2000, 15 pages.	
	6	Pinnacle ShowCenter. Pinnacle Systems, March 2005, 132 pages.	
	7	Pohlmann, Ken. Omnifi DMS1 Wi-Fi Media Receiver. Sound & Vision, 20 October 2003, 7 pages.	
	8	Polycom Conference Composer User Guide, copyright 2001, 29 pages.	
	9	Pre-Brief Conference Decision mailed on 11 May 2017, issued in connection with U.S. Patent Application No. 14/504812, filed on 2 October 2014, 2 pages.	
	10	Pre-Interview First Office Action mailed on 10 March 2015, issued in connection with U.S. Patent Application No. 14/505027, filed on 02 October 2014, 4 pages.	
	11	Presentations at WinHEC 2000, May 2000, 138 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	PRISMIQ, Inc., "PRISMIQ Media Player User Guide," 2003, 44 pages.	
	13	Proficient Audio Systems M6 Quick Start Guide, 2011, 5 pages.	
	14	Proficient Audio Systems: Proficient Editor Advanced Programming Guide, 2007, 40 pages.	
	15	Programming Interface for WL54040 Dual-Band Wireless Transceiver, AVAGO0066, Agere Systems, May 2004, 16 pages.	
	16	Publishing Network Services. Apple Developer Connection. Rendezous Network Services: Publishing Network Services, 12 November 2002, 6 pages.	
	17	Radio Shack, "Auto-Sensing 4-Way Audio/Video Selector Switch," 2004, 1 page.	
	18	RadioShack, Pro-2053 Scanner, 2002 Catalog, part 1, 100 pages.	
	19	RadioShack, Pro-2053 Scanner, 2002 Catalog, part 2, 100 pages.	
	20	RadioShack, Pro-2053 Scanner, 2002 Catalog, part 3, 100 pages.	
	21	RadioShack, Pro-2053 Scanner, 2002 Catalog, part 4, 100 pages.	
	22	RadioShack, Pro-2053 Scanner, 2002 Catalog, part 5, 46 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	RANGAN et al., "Feedback Techniques for Continuity and Synchronization in Multimedia Information Retrieval," ACM Transactions on Information Systems, 1995, pp. 145-176, Vol. 13, No. 2.	
	24	Real Time Control Protocol (RTCP) and Realtime Transfer Protocol (RTP), RFC 1889 (Jan. 1996) (D+M_0397810-84) (75 pages).	
	25	Realtime Streaming Protocol (RTSP), RFC 2326 (Apr. 1998) (D+M_0397945-8036) (92 pages).	
	26	Realtime Transport Protocol (RTP), RFC 3550 (July 2003) (D+M_0398235-323) (89 pages).	
	27	Re-Exam Final Office Action mailed on 5 August 2015, issued in connection with U.S. Patent Application No. 90/013423, filed on 5 January 2015, 25 pages.	
	28	Reexam Non-Final Office Action mailed on 09 November 2016, issued in connection with U.S. Patent Application No. 90/013774, filed on 29 June 2016, 35 pages.	
	29	Re-Exam Non-Final Office Action mailed on 22 April 2015, issued in connection with U.S. Patent Application No. 90/013423, filed on 05 January 2015, 16 pages.	
	30	REID, Mark, "Multimedia conferencing over ISDN and IP networks using ITU-T H-series recommendations: architecture, control and coordination," Computer Networks, 1999, pp. 225-235, Vol. 31.	
	31	RenderingControl:1 Service Template Version 1.01 For UPnP, Version 1.0, (June 25, 2002) (SONDM000115187-249) (63 pages).	
	32	Rendezous Network Services: Resolving and Using Network Services. Apple Developer Connection, 12 November 2002, 5 pages.	
	33	Rendezvous Network Services: About Rendezvous. Apple Developer Connection, 12 November 2002, 5 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Renewed Request for Ex Parte Re-Examination, U.S. Application No. 90/013959 filed 16 June 2017, 126 pages.	
	35	Renkus Heinz Manual; available for sale at least 2004, 6 pages.	
	36	Request for Ex Parte Reexamination submitted in U.S. Patent 9213357 on May 22, 2017, 85 pages.	
	37	"Residential Distributed Audio Wiring Practices," Leviton Network Solutions, 2001, 13 pages.	
	38	RITCHIE et al., "MediaServer:1 Device Template Version 1.01," Contributing Members of the UPnP Forum, June 25, 2002, 12 pages.	
	39	RITCHIE et al., "UPnP AV Architecture:1, Version 1.0," Contributing Members of the UPnP Forum, June 25, 2002, 22 pages.	
	40	RITCHIE, John, "MediaRenderer:1 Device Template Version 1.01," Contributing Members of the UPnP Forum, June 25, 2002, 12 pages.	
	41	Rocketfish. Digital Wireless Speakers. RF-WS01/WS01-W/WS02 User Guide, 2008, 28 pages.	
	42	Rocketfish. Wireless Outdoor Speaker. RF-RBWS02 User Guide, 2009, 33 pages.	
	43	Rocketfish Wireless Outdoor Speaker RF-RBWS02 User Guide, 2009, 33 pages. .	
	44	Roku SoundBridge Network Music Player User Guide v2.5, 2006, 40 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	ROLAND CORPORATION, "Roland announces BA-55 Portable PA System," press release, April 6, 2011, 2 pages.	
	46	Rose, B., Home Networks: A Standards Perspective. In-Home Networking, IEEE Communications Magazine, December 2001, 8 pages.	
	47	ROTHERMEL et al., "An Adaptive Protocol for Synchronizing Media Streams," Institute of Parallel and Distributed High-Performance Systems (IPVR), 1997, 26 pages.	
	48	ROTHERMEL et al., "An Adaptive Stream Synchronization Protocol," 5th International Workshop on Network and Operating System Support for Digital Audio and Video, 1995, 13 pages.	
	49	ROTHERMEL et al., "An Adaptive Stream Synchronization Protocol," 5th International Workshop on Network and Operating System Support for Digital Audio and Video, April 18-21, 1995, 12 pages.	
	50	ROTHERMEL et al., "Clock Hierarchies- An Abstraction for Grouping and Controlling Media Streams," University of Stuttgart Institute of Parallel and Distributed High-Performance Systems, January 1996, 23 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	ROTHERMEL et al., "Synchronization in Joint-Viewing Environments," University of Stuttgart Institute of Parallel and Distributed High-Performance Systems, 1992, 13 pages.	
	2	ROTHERMEL, Kurt, "State-of-the-Art and Future Research in Stream Synchronization," University of Stuttgart, 3 pages.	
	3	'RVL-6 Modular Multi-Room Controller, Installation & Operation Guide," Nile Audio Corporations, 1999, 46 pages.	
	4	Schertel, Barry. Griffin Evolve Wireless iPod Speakers, 18 February 2008, 4 pages.	
	5	SCHMANDT et al., "Impromptu: Managing Networked Audio Applications for Mobile Users," 2004, 11 pages.	
	6	SCHULZRINNE et al., "RTP: A Transport Protocol for Real-Time Applications," Network Working Group, January 1996, pp. 1-75.	
	7	SCHULZRINNE H., et al., "RTP: A Transport Protocol for Real-Time Applications, RFC 3550," Network Working Group, 2003, pp. 1-89.	
	8	Shannon, Victoria. The New York Times, Company supports Apple: Philips sets up a 'Rendezvous', 11 September 2002, 2 pages.	
	9	Sieborger, D. R., Multiprotocol Control of Networked Home Entertainment Devices, February 2004, 131 pages.	
	10	Simple Network Time Protocol (SNTPI), RFC 1361 (August 1992) (D+M_0397537-46) (10 pages).	
	11	Simple Network Time Protocol (SNTPII), RFC 1769 (March 1995) (D+M_0397663-76) (14 pages).	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Simple Service Discovery Protocol/1.0 Operating without an Arbiter (Oct. 28, 1999) (24 pages).	
	13	SMC EZ-Stream Universal Wireless Multimedia Receiver - NextUp, 5 December 2003, 4 pages.	
	14	SMC Network. SMCWMR-AG – EZ-Stream Universal Wireless Multimedia Receiver, 3 December 2003, 2 pages.	
	15	SMC NETWORKS CONSUMER SITE. About SMC: Press Release Details, 21 February 2004, 2 pages.	
	16	SMC NETWORKS CONSUMER SITE. Products: Home Entertainment Networking, 10 December 2003, 1 page.	
	17	SMC NETWORKS CONSUMER SITE. Products: Home Entertainment Networking, 7 February 2004, 1 page.	
	18	SMC NETWORKS CONSUMER SITE. Support: Support Center Downloads, 7 February 2004, 1 page.	
	19	SMC Networks Ez-Stream Universal 2.4GHz/5GHz Wireless Multimedia Receiver. SMCWMR-AG Users Manual, 60 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	20	SMC Networks. SMCWAA-B EZ-Stream 2.4GHz Wireless Audio Adapter, 2004, 51pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	21	SMC Networks. SMCWAA-B EZ-Stream 2.4GHz Wireless Audio Adapter. User Guide, 2004, 51 pages.	
	22	SMC Networks. SMCWMR-AG EZ-Stream Universal Wireless Multimedia Receiver. User Guide, 2003, 43 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	SMC Wireless Music Network Setup, 12 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	24	SMC-GT1255FTX-SC EZ Card. SMC Networks: What's New, 5 February 2004, 7 pages.	
	25	snarfed/p4sync. GitHub: A library and plugins for a few music players that (attempts to) synchronize playback across multiple computers, 2 pages [online]. [retrieved on 2020-03-26]. Retrieved online URL: https://github.com/snarfed/p4sync.	
	26	Software & drivers. Micro Audio System MCW770/37. Philips. Copyright 2004-2020, 3 pages [online]. [retrieved on 2020-02-24]. Retrieved from the Internet URL: https://www.usa.philips.com/c-p/MCW770_37/-/support.	
	27	Sonos, Inc. v D&M Holdings, D&M Supp Opposition Brief including Exhibits, 17 March 2017, 23 pages.	
	28	Sonos, Inc. v. D&M Holdings, Expert Report of Jay P. Kesan including Appendices A-P, Feb. 20, 2017, 776 pages.	
	29	Sonos, Inc. v. D&M Holdings Inc. et al., Complaint for Patent Infringement, filed October 21, 2014, 20 pages.	
	30	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions, filed September 14, 2016, 100 pages.	
	31	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions, filed April 15, 2016, 97 pages.	
	32	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Preliminary Identification of Indefinite Terms, provided July 29, 2016, 8 pages.	
	33	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' 35 U.S.C. § 282 Notice filed November 2, 2017, 31 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' Amended Answer, Defenses, and Counterclaims for Patent Infringement, filed November 30, 2015, 47 pages.	
	35	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' Answer to Plaintiff's Second Amended Complaint, filed April 30, 2015, 19 pages.	
	36	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' First Amended Answer to Plaintiffs' Third Amended Complaint, filed September 7, 2016, 23 pages.	
	37	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' Reply in Support of Partial Motion for Judgment on the Pleadings, filed June 10, 2016, 15 pages.	
	38	Sonos, Inc. v. D&M Holdings Inc. et al., Exhibit A: Defendants' First Amended Answer to Plaintiffs' Third Amended Complaint, provided August 1, 2016, 26 pages.	
	39	Sonos, Inc. v. D&M Holdings Inc. et al., Exhibit A: Defendants' Second Amended Answer to Plaintiffs' Third Amended Complaint, filed September 9, 2016, 43 pages.	
	40	Sonos, Inc. v. D&M Holdings Inc. et al., Exhibit A: Defendants' Second Amended Answer to Plaintiffs' Third Amended Complaint, provided September 9, 2016, 88 pages.	
	41	Sonos, Inc. v. D&M Holdings Inc. et al., First Amended Complaint for Patent Infringement, filed December 17, 2014, 26 pages.	
	42	Sonos, Inc. v. D&M Holdings Inc. et al., Joint Claim Construction Chart, Volume 1 of 3 with Exhibits A-O, filed August 17, 2016, 30 pages.	
	43	Sonos, Inc. v. D&M Holdings Inc. et al., Opening Brief in Support of Defendants' Partial Motion for Judgment on the Pleadings for Lack of Patent-Eligible Subject Matter, filed May 6, 2016, 27 pages.	
	44	Sonos, Inc. v. D&M Holdings Inc. et al., Plaintiff Sonos, Inc.'s Opening Claim Construction Brief, filed September 9, 2016, 26 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Sonos, Inc. v. D&M Holdings Inc. et al., Plaintiff Sonos, Inc.'s Response in Opposition to Defendants' Partial Motion for Judgment on the Pleadings, filed May 27, 2016, 24 pages.	
	46	Sonos, Inc. v. D&M Holdings Inc. et al., Reply Brief in Support of Defendants' Motion for Leave to Amend their Answer to Add the Defense of Inequitable Conduct, provided November 10, 2016, 16 pages.	
	47	Sonos, Inc. v. D&M Holdings Inc. et al., Reply Brief in Support of Defendants' Motion for Leave to Amend their Answer to Add the Defense of Inequitable Conduct, provided September 9, 2016, 16 pages.	
	48	Sonos, Inc. v. D&M Holdings Inc. et al., Second Amended Complaint for Patent Infringement, filed February 27, 2015, 49 pages.	
	49	Sonos, Inc. v. D&M Holdings Inc. et al., Sonos's Motion to Strike Defendants' New Amended Answer Submitted with their Reply Brief, provided September 15, 2016, 10 pages.	
	50	Sonos, Inc. v. D&M Holdings Inc. et al., Sonos's Opposition to Defendants' Motion for Leave to Amend their Answer to Add the Defense of Inequitable Conduct, provided October 31, 2016, 26 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Sonos, Inc. v. D&M Holdings Inc. et al., Third Amended Complaint for Patent Infringement, filed January 29, 2016, 47 pages.	
	2	Sonos, Inc. v. D&M Holdings, Inc. (No. 14-1330-RGA), Defendants' Final Invalidity Contentions (Jan. 18, 2017) (106 pages).	
	3	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 226, Opinion Denying Inequitable Conduct Defenses, Feb. 6, 2017, updated, 5 pages.	
	4	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 242, US District Judge Andrews 101 Opinion, Mar. 13, 2017, 16 pages.	
	5	Sonos, Inc. v D&M Holdings, Sonos Supp Opening Markman Brief including Exhibits, 3 March 2017, 17 pages.	
	6	Sonos, Inc. v. D&M Holdings, Sonos Supp Reply Markman Brief including Exhibits, 29 March 2017, 36 pages.	
	7	Sonos, Inc. v. D&M Holdings Inc. et al., Declaration of Steven C. Visser, executed September 9, 2016, 40 pages.	
	8	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 1: Defendants' Invalidity Contentions for U.S. Patent No. 7,571,014 filed September 16, 2016, 270 pages.	
	9	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 10: Defendants' Invalidity Contentions for U.S. Patent No. 9,219,959 filed September 27, 2016, 236 pages.	
	10	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 11: Defendants' Invalidity Contentions for U.S. Design Patent No. D559,197 filed September 27, 2016, 52 pages.	
	11	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 2: Defendants' Invalidity Contentions for U.S. Patent No. 8,588,949 filed September 27, 2016, 224 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 3: Defendants' Invalidity Contentions for U.S. Patent No. 8,843,224 filed September 27, 2016, 147 pages.	
	13	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 4: Defendants' Invalidity Contentions for U.S. Patent No. 8,938,312 filed September 27, 2016, 229 pages.	
	14	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 5: Defendants' Invalidity Contentions for U.S. Patent No. 8,938,637 filed September 27, 2016, 213 pages.	
	15	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 6: Defendants' Invalidity Contentions for U.S. Patent No. 9,042,556 filed September 27, 2016, 162 pages.	
	16	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 7: Defendants' Invalidity Contentions for U.S. Patent No. 9,195,258 filed September 27, 2016, 418 pages.	
	17	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 8: Defendants' Invalidity Contentions for U.S. Patent No. 9,202,509 filed September 27, 2016, 331 pages.	
	18	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 9: Defendants' Invalidity Contentions for U.S. Patent No. 9,213,357 filed September 27, 2016, 251 pages.	
	19	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 1: Defendants' Invalidity Contentions for U.S. Patent No. 7,571,014 filed April 15, 2016, 161 pages.	
	20	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 10: Defendants' Invalidity Contentions for U.S. Patent No. 9,213,357 filed April 15, 2016, 244 pages.	
	21	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 11: Defendants' Invalidity Contentions for U.S. Patent No. 9,219,959 filed April 15, 2016, 172 pages.	
	22	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 12: Defendants' Invalidity Contentions for U.S. Design Patent No. D559,197 filed April 15, 2016, 36 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 2: Defendants' Invalidity Contentions for U.S. Patent No. 8,588,949 filed April 15, 2016, 112 pages.	
	24	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 3: Defendants' Invalidity Contentions for U.S. Patent No. 8,843,224 filed April 15, 2016, 118 pages.	
	25	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 4: Defendants' Invalidity Contentions for U.S. Patent No. 8,938,312 filed April 15, 2016, 217 pages.	
	26	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 5: Defendants' Invalidity Contentions for U.S. Patent No. 8,938,637 filed April 15, 2016, 177 pages.	
	27	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 6: Defendants' Invalidity Contentions for U.S. Patent No. 9,042,556 filed April 15, 2016, 86 pages.	
	28	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 7: Defendants' Invalidity Contentions for U.S. Patent No. 9,130,771 filed April 15, 2016, 203 pages.	
	29	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 8: Defendants' Invalidity Contentions for U.S. Patent No. 9,195,258 filed April 15, 2016, 400 pages.	
	30	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 9: Defendants' Invalidity Contentions for U.S. Patent No. 9,202,509 filed April 15, 2016, 163 pages.	
	31	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Preliminary Identification of Prior Art References, provided July 29, 2016, 5 pages.	
	32	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' Brief in Support of their Motion for Leave to Amend their Answer to Add the Defense of Inequitable Conduct, provided October 12, 2016, 24 pages.	
	33	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' Opposition to Sonos's Motion to Strike Defendants' New Amended Answer Submitted with their Reply, provided October 3, 2016, 15 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Sonos, Inc. v. D&M Holdings Inc. et al., Exhibit A: Defendants' Second Amended Answer to Plaintiffs' Third Amended Complaint, provided October 12, 2016, 43 pages.	
	35	Sonos, Inc. v. D&M Holdings Inc. et al., Exhibit B: Defendants' Second Amended Answer to Plaintiffs' Third Amended Complaint, provided October 12, 2016, 43 pages.	
	36	Sonos, Inc. v. D&M Holdings Inc. et al., Opening Brief in Support of Defendants' Motion for Leave to Amend Their Answer to Add the Defense of Inequitable Conduct, provided August 1, 2016, 11 pages.	
	37	Sonos, Inc. v. D&M Holdings Inc. et al., Order, provided October 7, 2016, 2 pages.	
	38	Sonos, Inc. v. D&M Holdings Inc. et al., Plaintiff's Opposition to Defendants' Motion for Leave to Amend Their Answer to Add the Defense of Inequitable Conduct, provided August 26, 2016, 25 pages.	
	39	Sonos, Inc. v. D&M Holdings Inc. et al., Redlined Exhibit B: Defendants' First Amended Answer to Plaintiffs' Third Amended Complaint, provided August 1, 2016, 27 pages.	
	40	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 206-1, Transcript of 101 Hearing (Nov. 28, 2016) (28 pages).	
	41	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 207, PUBLIC Joint Claim Construction Brief (Nov. 30, 2016) (88 pages).	
	42	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 214, D&M Post-Markman Letter (Dec. 22, 2016) (13 pages).	
	43	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 215, Sonos Post-Markman Letter (Dec. 22, 2016) (15 pages).	
	44	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 219, Claim Construction Opinion (Jan. 12, 2017) (24 pages).	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 221, Claim Construction Order (Jan. 18 2017) (2 pages).	
	46	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), Markman Hearing Transcript (Dec. 14, 2016) (69 pages).	
	47	Sonos, Inc. v. Google LLC, Appendix A to Respondents' Response to the Complaint and Notice of Investigation, filed February 27, 2020, 2 pages. .	
	48	Sonos, Inc. v. Google LLC, Appendix B to Respondents' Response to the Complaint and Notice of Investigation, filed February 27, 2020, 176 pages. .	
	49	Sonos, Inc. v. Google LLC. Order 20: Construing the Terms of the Asserted Claims of the Patents at Issue dated 25 September 2020, 53 pages.	
	50	Sonos, Inc. v. Google LLC. Respondents' Final Invalidity Claims Charts for US Patent 10,439,896, Exhibits 1-13, 15-16, and B, 1324 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Sonos, Inc. v. Google LLC. Respondents' Final Invalidity Contentions [Redacted] dated 4 September 2020, 261 pages.	
	2	Sonos, Inc. v. Google LLC, Respondents' Response to the Complaint and Notice of Investigation, filed February 27, 2020, 46 pages.	
	3	Sonos, Inc. v. Implicit, LLC: Declaration of Roman Chertov in Support of the Inter Partes Review of U.S. Patent No. 7,391,791 dated March 9, 2018, 92 pages.	
	4	Sonos, Inc. v. Implicit, LLC: Declaration of Roman Chertov in Support of the Inter Partes Review of U.S. Patent No. 8,942,252 dated March 9, 2018, 81 pages.	
	5	Sonos, Inc. v. Lenbrook Industries Limited et al., Defendants' Answer to Plaintiff's Complaint, filed October 14, 2019, 66 pages.	
	6	Sonos, Inc. v. Lenbrook Industries Limited et al., Defendants' First Amended Answer and Counterclaims to Plaintiff's Complaint, filed November 14, 2019, 66 pages.	
	7	Sonos System Overview, Version 1.0, July 2011, 12 pages.	
	8	Sonos v. Google. Exhibit A to Respondents' Initial Invalidity Contentions dated 29 April 2020, 194 pages.	
	9	Sonos v. Google. Respondents' Initial Invalidity Claim Charts for Patent US 10,439,896, Exhibits 1-16 and B, dated 29 April 2020, 1102 pages.	
	10	Sonos v. Google. Respondents' Initial Invalidity Claim Charts for US Patent 10,209,953, Exhibits 1-10 and B, dated 29 April 2020, 288 pages.	
	11	Sonos v. Google. Respondents' Initial Invalidity Claim Charts for US Patent 8,588,949, Exhibits 1-19 and B, dated 29 April 2020, 280 pages. .	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Sonos v. Google. Respondents' Initial Invalidity Claim Charts for US Patent 9,195,258, Exhibits 1 - 10 and B, dated 29 April 2020, 345 pages. .	
	13	Sonos v. Google. Respondents' Initial Invalidity Claim Charts for US Patent 9,219,959, Exhibits 1-9 and B, dated 29 April 2020, 344 pages. .	
	14	Sonos v. Google. Respondents' Initial Invalidity Contentions dated 29 April 2020, 200 pages.	
	15	Sony: AIR-SA 50R Wireless Speaker, Copyright 2009, 2 pages.	
	16	Sony: Altus Quick Setup Guide ALT-SA32PC, Copyright 2009, 2 pages.	
	17	Sony: BD/DVD Home Theatre System Operating Instructions for BDV-E300, E301 and E801, Copyright 2009, 115 pages.	
	18	Sony: BD/DVD Home Theatre System Operating Instructions for BDV-IT1000/BDV-IS1000, Copyright 2008, 159 pages.	
	19	Sony: Blu-ray Disc/DVD Home Theatre System Operating Instructions for BDV-IZ1000W, Copyright 2010, 88 pages.	
	20	Sony: DVD Home Theatre System Operating Instructions for DAV-DZ380W/DZ680W/DZ880W, Copyright 2009, 136 pages.	
	21	Sony: DVD Home Theatre System Operating Instructions for DAV-DZ870W, Copyright 2008, 128 pages.	
	22	Sony Ericsson MS500 User Guide, Copyright 2009, 2 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Sony. Home Theatre System. HT-DDW790 and HT-DDW685 Operating Instructions, 2007, 64 pages.	
	24	Sony: Home Theatre System Operating Instructions for HT-IS100, Copyright 2008, 168 pages.	
	25	Sony: HT-IS100, 5.1 Channel Audio System, last updated November 2009, 2 pages.	
	26	Sony: Multi Channel AV Receiver Operating Instructions, 2007, 80 pages.	
	27	Sony: Multi Channel AV Receiver Operating Instructions for STR-DN1000, Copyright 2009, 136 pages.	
	28	Sony Shows Off Range of Home LANs, 15 December 2000, 1 page.	
	29	Sony: STR-DN1000, Audio Video Receiver, last updated August 2009, 2 pages.	
	30	Sony: Wireless Surround Kit Operating Instructions for WHAT-SA2, Copyright 2010, 56 pages.	
	31	Sound Blaster Wireless Music Network Setup, 28 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	32	Sound Blaster, Wireless Music. User's Guide: Creative Sound Blaster Wireless Music Version 1.0, August 2003, 66 pages.	
	33	Space.com. Tech Today: News about the latest gizmos and gadgets conveniently available on Earth, 14 February 2004, 2 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Squeezebox by Logitech. Owner's Guide, 2007, 32 pages. .	
	35	Squeezebox Duet Network Music System by Logitech. User Guide English (North America), 2008, 45 pages.	
	36	Squeezebox Network Music Player. Owner's Manual, Slim Devices, 2003, 22 pages.	
	37	Step-by-step P4 Connection. P4 Poster (without music), 5 pages [online], [retrieved on 2020-03-26]. Retrieved from the Internet URL: https://snarfed.org/p4_poster/index.html.	
	38	Steve Jobs introduces AirPort Express All Things D2 (2004) - YouTube available via https://www.youtube.com/watch?v=hq5_P90pOqo 3 pages, [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	39	Structured Media Components. Leviton Integrated Networks, last modified 10 April 2006, 28 pages.	
	40	Support. Manuals & Documentation. Micro Audio System MCW770/37. Philips. Copyright 2004-2020, 3 pages. [online], [retrieved on 2020-02-24]. Retrieved from the Internet URL: https://www.usa.philips.con/c-p/MCW770_37/-/support.	
	41	Synchronizing mp3 playback. 3 pages [online]. [retrieved on 2020-03-26]. Retrieved from the Internet URL: https://snarfed.org/synchronizing_mp3_playback.	
	42	TAYLOR, Marilou, "Long Island Sound," Audio Video Interiors, April 2000, 8 pages.	
	43	Technology. cd30 is developing products which implement NAVOS, allowing consumers to get better utility out of their home media libraries. 21 November 2003, 1 pages.	
	44	Teirikangas, Jussi. HAVi: Home Audio Video Interoperability. Helsinki University of Technology, 2001, 10 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Test Report No.: 23GE0067-HO-2. Appendix 1: Photographs of test setup, Conducted Emissions. 25 April 2003, 4 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	46	Thaler et al. Scalability and Synchronization in IEEE 1394-Based Content-Creation Networks. Audio Engineering Society Convention Paper 5461, 21-24 September 2001, 16 pages.	
	47	The Measurement of Conducted Spurious Emissions, Conducted Spurious Emissions Measurement, ADT No. 921020H02, 5 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	48	TOA Corporation, Digital Processor DP-0206 DACsys2000 Version 2.00 Software Instruction Manual, Copyright 2001, 67 pages.	
	49	TOA Electronics, Inc. DP-0206 Digital Signal Processor. DACsys 2000, 2001, 12 pages. .	
	50	Tom's Hardware Guide: Nachrichten. Nachrichten vom 10 Januar 2003, 3 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	6859538		2005-02-22	VOLTZ; Christopher	
	2	6873862		2005-03-29	RESHEFSKY; Marc Alan	
	3	6882335		2005-04-19	SAARINEN; Pertti	
	4	6898642		2005-05-24	CHAFLE; Girish Bhimrao et al.	
	5	6901439		2005-05-31	BONASIA; Gaetano et al.	
	6	6907458		2005-06-14	TOMASSETTI; Stephen Robert et al.	
	7	6910078		2005-06-21	RAMAN; Suchitra et al.	
	8	6912610		2005-06-28	SPENCER; Thomas Vincent	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	9	6915347		2005-07-05	HANKO; James G. et al.	
	10	6917592		2005-07-12	RAMANKUTTY; Rajesh et al.	
	11	6919771		2005-07-19	NAKAJIMA; Kouji	
	12	6920373		2005-07-19	XI; Ning et al.	
	13	6931557		2005-08-16	TOGAWA; Yoshifusa	
	14	6934766		2005-08-23	RUSSELL; Paul J.	
	15	6937988		2005-08-30	HEMKUMAR; Nariankadu Datatreya et al.	
	16	6950666		2005-09-27	ASAKAWA; Stuart D.	
	17	6965948		2005-11-15	ENEBORG; Mats et al.	
	18	6970481		2005-11-29	GRAY, III; Donald M. et al.	
	19	6970482		2005-11-29	KIM; Sung-Tae	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	20	6981259		2005-12-27	LUMAN; David J. et al.	
	21	6985694		2006-01-10	DE BONET; Jeremy S. et al.	
	22	6987767		2006-01-17	SAITO; Tatsunori	
	23	6993570		2006-01-31	IRANI; Boman	
	24	7006758		2006-02-28	YAMAMOTO; Kaoru et al.	
	25	7007106		2006-02-28	FLOOD; Mark et al.	
	26	7020791		2006-03-28	AWEYA; James et al.	
	27	7043477		2006-05-09	MERCER; IAN Cameron et al.	
	28	7043651		2006-05-09	AWEYA; James et al.	
	29	7046677		2006-05-16	MONTA; Peter et al.	
	30	7047308		2006-05-16	DESHPANDE; Sachin G.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	31	7054888		2006-05-30	LACHAPELLE; Kevin Leigh et al.	
	32	7058719		2006-06-06	MOTOYAMA; Tetsuro	
	33	7058889		2006-06-06	TROVATO; Karen I. et al.	
	34	7068596		2006-06-27	MOU; Hensen	
	35	7076204		2006-07-11	RICHENSTEIN; Lawrence et al.	
	36	7092528		2006-08-15	PATRICK; Kyle N. et al.	
	37	7092694		2006-08-15	GRIEP; Pieter Dingenis et al.	
	38	7096169		2006-08-22	CRUTCHFIELD; William G. et al.	
	39	7102513		2006-09-05	TASKIN; Metin Ismail et al.	
	40	7107442		2006-09-12	CHESHIRE; Stuart D.	
	41	7113999		2006-09-26	PESTONI; Florian et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	42	7115017		2006-10-03	LAURSEN; Thomas et al.	
	43	7120168		2006-10-10	ZIMMERMANN; Klaus	
	44	7123731		2006-10-17	COHEN; Yuval et al.	
	45	7130316		2006-10-31	KOVACEVIC; Branko D.	
	46	7130368		2006-10-31	AWEYA; James et al.	
	47	7130608		2006-10-31	HOLLSTROM; Magnus et al.	
	48	7130616		2006-10-31	JANIK; Craig M.	
	49	7136934		2006-11-14	CARTER; Harry Nick et al.	
	50	7139981		2006-11-21	MAYER; Theodore et al.	
	51	7143141		2006-11-28	MORGAN; Jeffrey A. et al.	
	52	7143939		2006-12-05	HENZERLING; David P.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	53	7146260		2006-12-05	PRESTON; DAN Alan et al.	
	54	7158488		2007-01-02	FUJIMORI; Junichi	
	55	7158783		2007-01-02	EGUCHI; Tadashi	
	56	7161939		2007-01-09	ISRAEL; David et al.	
	57	7162315		2007-01-09	GILBERT; Erik J.	
	58	7164694		2007-01-16	NODOUSHANI; Paiman et al.	
	59	7167765		2007-01-23	JANIK; Craig M.	
	60	7174157		2007-02-06	GASSHO; Kazuhito et al.	
	61	7184774		2007-02-27	ROBINSON; William Neil et al.	
	62	7185090		2007-02-27	KOWALSKI; John Michael et al.	
	63	7187947		2007-03-06	WHITE; Russell W. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	64	7188353		2007-03-06	CRINON; Regis J.	
	65	7197148		2007-03-27	NOURSE; James D. et al.	
	66	7206367		2007-04-17	MOORE; Daniel L. [Us] et al.	
	67	7206618		2007-04-17	LATTO; Antonio T. et al.	
	68	7206967		2007-04-17	MARTI; Philippe et al.	
	69	7209795		2007-04-24	SULLIVAN; Gary E. et al.	
	70	7215649		2007-05-08	YU; Robert et al.	
	71	7218708		2007-05-15	BEREZOWSKI; Andrew G. et al.	
	72	7218930		2007-05-15	KO; Ming-Chih et al.	
	73	7236739		2007-06-26	CHANG; Chin-Chi	
	74	7236773		2007-06-26	THOMAS; Graham	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	75	7246374		2007-07-17	SIMON; Daniel R. et al.	
	76	7251533		2007-07-31	YOON; Hong S. et al.	
	77	7257398		2007-08-14	UKITA; Yoshitaka et al.	
	78	7260616		2007-08-21	COOK; Fred S.	
	79	7263070		2007-08-28	DELKER; Jason et al.	
	80	7263110		2007-08-28	FUJISHIRO; Yoshiya	
	81	7269338		2007-09-11	JANEVSKI; Angel	
	82	7274761		2007-09-25	MULLER; Thomas et al.	
	83	7275156		2007-09-25	BALFANZ; Dirk et al.	
	84	7277547		2007-10-02	DELKER; Jason R. et al.	
	85	7286652		2007-10-23	AZRIEL; GAD et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	86	7289631		2007-10-30	ISHIDOSHIRO; Takashi	
	87	7293060		2007-11-06	KOMSI; Asko	
	88	7295548		2007-11-13	BLANK; William Thomas [Us] et al.	
	89	7305694		2007-12-04	COMMONS; Christopher et al.	
	90	7308188		2007-12-11	NAMATAME; Kazushi	
	91	7308489		2007-12-11	WEAST; John C.	
	92	7310334		2007-12-18	FITZGERALD; Cary et al.	
	93	7312785		2007-12-25	TSUK; Robert W. et al.	
	94	7313384		2007-12-25	MEENAN; Patrick et al.	
	95	7313593		2007-12-25	PULITO; Brian et al.	
	96	7319764		2008-01-15	REID; Glenn et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	97	7321784		2008-01-22	SERCEKI; Zeljko John et al.	
	98	7324857		2008-01-29	GODDARD; Mark D.	
	99	7330875		2008-02-12	PARASNIS; Shashank Mohan et al.	
	100	7333519		2008-02-19	SULLIVAN; Gary E. et al.	
	101	7356011		2008-04-08	WATERS; Christopher J. F. et al.	
	102	7359006		2008-04-15	XIANG; Shuhua et al.	
	103	7363363		2008-04-22	DAL CANTO; Mario et al.	
	104	7366206		2008-04-29	LOCKRIDGE; Terry Wayne et al.	
	105	7372846		2008-05-13	ZWACK; Eduard	
	106	7376834		2008-05-20	EDWARDS; W. Keith et al.	
	107	7383036		2008-06-03	KANG; Sung H. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	108	7391791		2008-06-24	BALASSANIAN; Edward et al.	
	109	7392102		2008-06-24	SULLIVAN; Gary E. et al.	
	110	7392387		2008-06-24	BALFANZ; Dirk et al.	
	111	7392481		2008-06-24	GEWICKEY; Greg et al.	
	112	7394480		2008-07-01	SONG; Young-Joong	
	113	7400644		2008-07-15	SAKAMOTO; Ichiro et al.	
	114	7400732		2008-07-15	STADDON; Jessica N. et al.	
	115	7412499		2008-08-12	CHANG; Chun-Shi et al.	
	116	7428310		2008-09-23	PARK; Jeong-Hyun	
	117	7430181		2008-09-30	HONG; Jay Wu	
	118	7433324		2008-10-07	SWITZER; David et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	119	7434166		2008-10-07	ACHARYA; Shrikant et al.	
	120	7454619		2008-11-18	SMETTERS; Diana K. et al.	
	121	7457948		2008-11-25	BILICKSA; Carl et al.	
	122	7469139		2008-12-23	VAN DE GROENENDAAL; Joannes G.	
	123	7472058		2008-12-30	TSENG; Wei-Hsin et al.	
	124	7474677		2009-01-06	TROTT; Christian A.	
	125	7483538		2009-01-27	McCARTY; William A. et al.	
	126	7483540		2009-01-27	RABINOWITZ; William M. et al.	
	127	7483958		2009-01-27	ELABBADY; Tarek Z. et al.	
	128	7492912		2009-02-17	CHUNG; YUN M. et al.	
	129	7505889		2009-03-17	SALMONSEN; Daniel R. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	130	7509181		2009-03-24	CHAMPION; Mark	
	131	7519667		2009-04-14	CAPPS; Stephen P.	
	132	7532862		2009-05-12	CHESHIRE; Stuart D.	
	133	7548744		2009-06-16	OESTERLING; Christopher L. et al.	
	134	7548851		2009-06-16	LAU; Jack et al.	
	135	7558224		2009-07-07	SURAZSKI; Luke K. et al.	
	136	7558635		2009-07-07	THIEL; Steffen et al.	
	137	7561697		2009-07-14	HARRIS; Scott C.	
	138	7571014		2009-08-04	LAMBOURNE; Robert A. et al.	
	139	7574274		2009-08-11	HOLMES; Stephen G.	
	140	7581096		2009-08-25	BALFANZ; Dirk et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	141	7599685		2009-10-06	GOLDBERG; David et al.	
	142	7606174		2009-10-20	OCHI; Mitsunori et al.	
	143	7607091		2009-10-20	SONG; Young-Wun et al.	
	144	7627825		2009-12-01	KAKUDA; Hiroshi	
	145	7630501		2009-12-08	BLANK; William TOM [Us] et al.	
	146	7631119		2009-12-08	MOORE; Jeffrey C. et al.	
	147	7634093		2009-12-15	McGRATH; David Stanley	
	148	7643894		2010-01-05	BRAITHWAITE; Michael et al.	
	149	7653344		2010-01-26	FELDMAN; Theodore Philip et al.	
	150	7657224		2010-02-02	GOLDBERG; David et al.	
	151	7657255		2010-02-02	ABEL; Miller T. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	152	7657644		2010-02-02	ZHENG; Qinghua	
	153	7657910		2010-02-02	MCAULAY; Roger et al.	
	154	7665115		2010-02-16	GALLO; Kevin T. et al.	
	155	7668990		2010-02-23	KRZYZANOWSKI; Paul et al.	
	156	7669113		2010-02-23	MOORE; Jeff et al.	
	157	7669219		2010-02-23	SCOTT; Samuel T.Iii et al.	
	158	7672470		2010-03-02	LEE; Jae-Hoon	
	159	7675943		2010-03-09	MOSIG; Rudiger et al.	
	160	7676044		2010-03-09	SASAKI; Toru [Jp] et al.	
	161	7676142		2010-03-09	HUNG; Andy Chao	
	162	7688306		2010-03-30	WEHRENBERG; Paul J. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	163	7689304		2010-03-30	SASAKI; Yoshio	
	164	7689305		2010-03-30	KREIFELDT; Richard A. et al.	
	165	7690017		2010-03-30	STECYK; Polly et al.	
	166	7702279		2010-04-20	KO; Steve et al.	
	167	7702403		2010-04-20	GLADWIN; Stephen Christopher et al.	
	168	7710941		2010-05-04	RIETSCHEL; Johannes et al.	
	169	7711774		2010-05-04	ROTHSCHILD; Leigh M.	
	170	7716375		2010-05-11	BLUM; Philipp et al.	
	171	7720096		2010-05-18	KLEMETS; Anders E.	
	172	7721032		2010-05-18	BUSHELL; John Samuel et al.	
	173	7742740		2010-06-22	GOLDBERG; David et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	174	7743009		2010-06-22	HANGARTNER; Rick et al.	
	175	7746906		2010-06-29	JINZAKI; Akira et al.	
	176	7752329		2010-07-06	MEENAN; Patrick et al.	
	177	7756743		2010-07-13	LAPCEVIC; Thomas G.	
	178	7757076		2010-07-13	STEWART; Paul J. et al.	
	179	7761176		2010-07-20	BEN-YAACOV; Yaacov et al.	
	180	7765315		2010-07-27	BATSON; James D. et al.	
	181	7792311		2010-09-07	HOLMGREN; Steve F. et al.	
	182	7793206		2010-09-07	LIM; SEH E. et al.	
	183	7827259		2010-11-02	HELLER; David et al.	
	184	7831054		2010-11-09	BALL; Steven J. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	185	7835689		2010-11-16	GOLDBERG; David et al.	
	186	7853341		2010-12-14	MCCARTY; William A. et al.	
	187	7865137		2011-01-04	GOLDBERG; David et al.	
	188	7882234		2011-02-01	WATANABE; Mitsuhiro et al.	
	189	7885622		2011-02-08	KRAMPF; Steven S. et al.	
	190	7899656		2011-03-01	CRUTCHFIELD, Jr.; William G.	
	191	7904720		2011-03-08	SMETTERS; Diana Kathryn et al.	
	192	7907736		2011-03-15	YUEN; Thomas C. K. et al.	
	193	7907819		2011-03-15	ANDO; Hideo et al.	
	194	7916861		2011-03-29	CONLEY; Kenneth W. et al.	
	195	7916877		2011-03-29	GOLDBERG; David et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	196	7917082		2011-03-29	GOLDBERG; David et al.	
	197	7933418		2011-04-26	MORISHIMA; Morito	
	198	7934239		2011-04-26	DAGMAN; Vadim	
	199	7937089		2011-05-03	SMETTERS; Diana K. et al.	
	200	7937752		2011-05-03	BALFANZ; Dirk et al.	
	201	7945143		2011-05-17	YAHATA; Hiroshi et al.	
	202	7945636		2011-05-17	NELSON; Hortense Kathleen et al.	
	203	7945708		2011-05-17	OHKITA; Hideki	
	204	7958441		2011-06-07	HELLER; David [Us] et al.	
	205	7966388		2011-06-21	PUGACZEWSKI; John T. et al.	
	206	7987294		2011-07-26	BRYCE; Stuart et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	207	7995732		2011-08-09	KOCH; Robert et al.	
	208	7996566		2011-08-09	SYLVAIN; Dany et al.	
	209	7996588		2011-08-09	SUBBIAH; Baranitharan et al.	
	210	8014423		2011-09-06	THALER; Thomas et al.	
	211	8015306		2011-09-06	BOWMAN; Timothy D.	
	212	8020023		2011-09-13	MILLINGTON; Nicholas A.J et al.	
	213	8023663		2011-09-20	GOLDBERG; David	
	214	8028038		2011-09-27	WEEL; Martin	
	215	8028323		2011-09-27	WEEL; Martin	
	216	8041062		2011-10-18	COHEN; Ephram et al.	
	217	8045721		2011-10-25	BURGAN; John M. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	218	8045952		2011-10-25	QURESHEY; Safi et al.	
	219	8050203		2011-11-01	JACOBSEN; Phillip et al.	
	220	8050652		2011-11-01	QURESHEY; Safi et al.	
	221	8055364		2011-11-08	CHAMPION; Mark	
	222	8064904		2011-11-22	JAIN; Nikhil et al.	
	223	8074253		2011-12-06	NATHAN; GUY	
	224	8086752		2011-12-27	MILLINGTON; Nicholas A.J et al.	
	225	8090317		2012-01-03	BURGE; Benjamin D. et al.	
	226	8103009		2012-01-24	MCCARTY; William A. et al.	
	227	8111132		2012-02-07	ALLEN; William A. et al.	
	228	8112032		2012-02-07	KO; Steve et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	229	8116476		2012-02-14	INOHARA; Yuichi	
	230	8126172		2012-02-28	HORBACH; Ulrich et al.	
	231	8131389		2012-03-06	HARDWICK; John C. et al.	
	232	8131390		2012-03-06	BRAITHWAITE; Michael et al.	
	233	8134650		2012-03-13	MAXSON; Brian D. et al.	
	234	8144883		2012-03-27	PDERSEN; JAN A. et al.	
	235	8148622		2012-04-03	ROTHKOPF; Fletcher R. et al.	
	236	8150079		2012-04-03	MAEDA; Kazuhiro et al.	
	237	8156337		2012-04-10	BALFANZ; Dirk et al.	
	238	8169938		2012-05-01	DUCHSCHER; ROB et al.	
	239	8170222		2012-05-01	DUNKO; Gregory A.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	240	8170260		2012-05-01	REINING; Friedrich et al.	
	241	8175297		2012-05-08	HO; Harvey et al.	
	242	8185674		2012-05-22	MOORE; Jeffrey C. et al.	
	243	8194874		2012-06-05	STAROBIN; Bradley M. et al.	
	244	8204890		2012-06-19	GOGAN; Brian [Us] et al.	
	245	8208653		2012-06-26	EO; Kil-Su et al.	
	246	8214447		2012-07-03	DESLIPPE; Mark H. et al.	
	247	8214740		2012-07-03	JOHNSON; Timothy	
	248	8214873		2012-07-03	WEEL; Martin	
	249	8218790		2012-07-10	BULL; William et al.	
	250	8230099		2012-07-24	WEEL; Martin	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	251	8233029		2012-07-31	YOSHIDA; Junji et al.	
	252	8233648		2012-07-31	SOREK; Noam et al.	
	253	8234395		2012-07-31	MILLINGTON; Nicholas A. J.	
	254	8239748		2012-08-07	MOORE; Jeff et al.	
	255	8250218		2012-08-21	WATANABE; Mitsuhiro et al.	
	256	8279709		2012-10-02	CHOISEL; Sylvain et al.	
	257	8281001		2012-10-02	BUSAM; Vincent R. et al.	
	258	8285404		2012-10-09	KEKKI; Samuli T.	
	259	8290603		2012-10-16	LAMBOURNE; Robert A.	
	260	8300845		2012-10-30	ZUREK; Robert et al.	
	261	8311226		2012-11-13	LORGEOUX; Mickael et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	262	8315555		2012-11-20	KO; Steve et al.	
	263	8316147		2012-11-20	BATSON; James D. et al.	
	264	8325931		2012-12-04	HOWARD; Damian et al.	
	265	8326951		2012-12-04	MILLINGTON; Nicholas A. J. et al.	
	266	8340330		2012-12-25	YOON; Eung-Sik et al.	
	267	8345709		2013-01-01	NITZPON; Hans-Juergen et al.	
	268	8364295		2013-01-29	BECKMANN; Paul E. et al.	
	269	8370678		2013-02-05	MILLINGTON; Nicholas A. J. et al.	
	270	8374595		2013-02-12	CHIEN; Chih-Ling et al.	
	271	8407623		2013-03-26	KERR; Duncan et al.	
	272	8411883		2013-04-02	MATSUMOTO; Keishi	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	273	8423659		2013-04-16	MILLINGTON; Nicholas A. J.	
	274	8423893		2013-04-16	RAMSAY; Max Gordon et al.	
	275	8432851		2013-04-30	XU; Guijin et al.	
	276	8433076		2013-04-30	ZUREK; Robert et al.	
	277	8442239		2013-05-14	BRUELLE-DREWS; Christian et al.	
	278	8457334		2013-06-04	YOON; Eung-Sik et al.	
	279	8463184		2013-06-11	DUA; Robin	
	280	8463875		2013-06-11	KATZ; Hagay et al.	
	281	8473844		2013-06-25	KREIFELDT; Richard A. et al.	
	282	8477958		2013-07-02	MOELLER; Klaus R. et al.	
	283	8483853		2013-07-09	LAMBOURNE; Robert A.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	284	8509211		2013-08-13	TROTTER; John et al.	
	285	8509463		2013-08-13	GOH; Aik Hee Daniel et al.	
	286	8515389		2013-08-20	SMETTERS; Diana K. et al.	
	287	8520870		2013-08-27	SATO; Katsuyuki et al.	
	288	8565455		2013-10-22	WORRELL; Devon et al.	
	289	8577048		2013-11-05	CHAIKIN; Peter et al.	
	290	8588949		2013-11-19	LAMBOURNE; Robert A. et al.	
	291	8600084		2013-12-03	GARRETT; James E.	
	292	8601394		2013-12-03	SHEEHAN; Conor et al.	
	293	8611559		2013-12-17	SANDERS; Christopher	
	294	8615091		2013-12-24	TERWAL; Remco	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	295	8639830		2014-01-28	BOWMAN; Timothy D.	
	296	8654995		2014-02-18	SILBER; Michael W. et al.	
	297	8672744		2014-03-18	GRONKOWSKI; Timothy T. et al.	
	298	8683009		2014-03-25	NG; Stanley et al.	
	299	8688431		2014-04-01	LYONS; Kenneth S. et al.	
	300	8731206		2014-05-20	PARK; Keun Young	

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	0237217	WO	A2	2002-05-10	SONY ELECTRONICS INC [US]		
	2	03093950	WO	A2	2003-11-13	GOLDBERG DAVID [US], et al.		
	3	03096741	WO	A2	2003-11-20	BRAITHWAITE MICHAEL [US], et al.		
	4	199525313	WO		1995-09-21	INTERNATIONAL BUSINESS MACHINE CORPORATION.		
	5	1999023560	WO		1999-05-14	COLLABORATION PROPERTIES, INC.		
	6	199961985	WO		1999-12-02	THE DOW CHEMICAL COMPANY.		
	7	200153994	WO		2001-07-26	FRISKIT, INC.		
	8	2003093950	WO	A2	2003-11-13	GOLDBERG, BENJAMIN, M. et al.		
	9	2005013047	WO	A2	2005-02-10	SONOS INC [US], et al.		
	10	2007023120	WO	A1	2007-03-01	SONY ERICSSON MOBILE COMM AB [SE], et al.		
	11	2007127485	WO		2007-11-08	MICROSOFT CORPORATION.		

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	2007131555	WO		2007-11-22	SONY ERICSOON MOBILE COMMUNICATIONS AB.		
	13	2007135581	WO	A2	2007-11-29	KONINKL PHILIPS ELECTRONICS NV [NL], et al.		
	14	2008046530	WO	A2	2008-04-24	FRAUNHOFER GES FORSCHUNG [DE], et al.		
	15	2008082350	WO	A1	2008-07-10	SCANIA CV ABP [SE], et al.		
	16	2008114389	WO	A1	2008-09-25	PIONEER CORPORATION.		
	17	2012050927	WO		2012-04-19	BEYOND OBLIVION INC.		
	18	2014004182	WO		2014-01-03	SONOS, INC.		
	19	2014149533	WO	A2	2014-09-25	BOSE CORPORATION.		
	20	9709756	WO	A2	1997-03-13	BUCALO BRIAN D [US], et al.		

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Apple. NewsRoom, Apple Ships New AirPort Express with AirTunes. 14 July 2004, 3 pages.	
	2	Apple. NewsRoom, Apple Unveils AirPort Express for Mac & PC Users. 7 June 2004, 3 pages.	
	3	Apple. NewsRoom, Developers Rapidly Adopt Apple's Rendezvous Networking Technology, 10 September 2002, 3 pages.	
	4	Apple WWDC 2003 Session 105 - Rendezvous - YouTube available via https://www.youtube.com/watch?v=Ge5bsDijGWM [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	5	Ashcraft et al. P4 Protocol Specification vo.2. April 6, 2002, 11 pages [online]. [retrieved on 2020-03-26]. Retrieved from the Internet URL: https://snarfed.org/p4protocol.	
	6	Audio Authority. Access EZ: Demonstration Network. Home Audio and Video System Installation Manual, 60 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	7	Audio Authority: How to Install and Use the Model 1154 Signal Sensing Auto Selector, 2002, 4 pages.	
	8	Audio Authority: Model 1154B High Definition AV Auto Selector, 2008, 8 pages.	
	9	AudioPoint from Home Director. Play Digital Music on Your Conventional Stereo System, 2002, 2 pages. .	
	10	AudioPoint, Welcome to the coolest way to listen to digital music over your conventional stereo equipment, Home Director HD00B02, 2002, 2 pages.	
	11	AudioSource: AMP 100 User Manual, 2003, 4 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	AudioTron Quick Start Guide, Version 1.0, March 2001, 24 pages.	
	13	AudioTron Reference Manual, Version 3.0, May 2002, 70 pages.	
	14	AudioTron Setup Guide, Version 3.0, May 2002, 38 pages.	
	15	Automatic Profile Hunting Functional Description, AVAGO0013, Agere Systems, February 2004, 2 pages.	
	16	"A/V Surround Receiver AVR-5800," Denon Electronics, 2000, 2 pages.	
	17	"A/V System Controleer, Owner's Manual," B&K Compontents, Ltd., 1998, 52 pages.	
	18	AVTransport:1 Service Template Version 1.01 For UPnP, Version 1.0 (June 25, 2002) (66 pages).	
	19	AXIS Communication: AXIS P8221 Network I/O Audio Module, 2009, 41 pages.	
	20	BALDWIN, Roberto. "How-To: Setup iTunes DJ on Your Max and iPhone", available at http://www.maclife.com/article/howtos/howto_setup_itunes_dj_your_mac_and_iphone, archived on 3/17/ 2009, 4 pages.	
	21	BALFANZ et al., "Network-in-a-Box: How to Set Up a Secure Wireless Network in Under a Minute," 13th USENIX Security Symposium - Technical Paper, 2002, 23 pages.	
	22	BALFANZ et al., "Talking To Strangers: Authentication in Ad-Hoc Wireless Networks," Xerox Palo Alto Research Center, 2002, 13 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	BARHAM et al., "Wide Area Audio Synchronisation," University of Cambridge Computer Laboratory, 1995, 5 pages.	
	24	Barix Download Exstreamer Software. Accessed via WayBack Machine, April 6, 2003. http://www.barix.com/estreamer/software.download.html. 2 pages. .	
	25	Barix. Exstreamer Datasheet. Accessed via WayBack Machine, April 2, 2003. http://www.barix.com/exstreamer/, 1 page.	
	26	Barret, Ryan. P4 Proposal :CS194 Project Proposal. Toward an Application-Independent Distributed Network Platform. April 9, 2002, 4 pages [online]. [retrieved on 2020-03-26]. Retrieved from the Internet URL: https://snarfed.org/p4proposal. .	
	27	Barrett, Ryan. (no title) Blog on P4Sync network and code, 1 page [online], [retrieved on 2020-03-26]. Retrieved from the Internet URL: https://snarfed.org.p4.	
	28	BAUDISCH et al., "Flat Volume Control: Improving Usability by Hiding the Volume Control Hierarchy in the User Interface," 2004, 8 pages.	
	29	Beatty et al. Web Services Dynamic Discovery WS-Discovery, February 2004, 35 pages.	
	30	BENSLIMANE Abderrahim, "A Multimedia Synchronization Protocol for Multicast Groups," Proceedings of the 26th Euromicro Conference, 2000, pp. 456-463, Vol. 1.	
	31	BIERSACK et al., "Intra- and Inter-Stream Synchronization for Stored Multimedia Streams," IEEE International Conference on Multimedia Computing and Systems, 1996, pp. 372-381.	
	32	BLAKOWSKI G. et al., "A Media Synchronization Survey: Reference Model, Specification, and Case Studies," January 1996, pp. 5-35, Vol. 14, No. 1.	
	33	Blau, John. News Analysis, Wi-Fi Hotspot Networks Sprout Like Mushrooms, September 2002, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Bluetooth. "Specification of the Bluetooth System: The ad hoc SCATTERNET for affordable and highly functional wireless connectivity," Core, Version 1.0 A, 26 July 1999, 1068 pages.	
	35	Bluetooth. "Specification of the Bluetooth System: Wireless connections made easy," Core, Version 1.0 B, 1 December 1999, 1076 pages.	
	36	Bluetooth Specification. Advanced Audio Distribution Profile (A2DP) Specification, 2007, 73 pages.	
	37	Bogen Communications, Inc., ProMatrix Digitally Matrixed Amplifier Model PM3180, Copyright1996, 2 pages.	
	38	BoomBottle MM Blue Hatch 2 -Pack. Blue Hatch Waterproof Dual Pairing Wireless Speakers each with Built-in-MagicMount, 4 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	39	Bootcamp. Digital Music on Your Stereo System. 10 January 2003, 1 page.	
	40	Boraks, David. A Glimpse of the Digital Future Technology Execs Play Prognosticators at Law Vegas Show, NewsRoom. 7 January 2000, 3 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	41	Bose Lifestyle SA-2 and SA-3 Stereo Amplifier Owner's Guide, 2004, 32 pages. .	
	42	Bose. The Bose Lifestyle 50 System. Owner's Guide, October 17, 2001, 55 pages.	
	43	Bose. The Bose Lifestyle Powered Speaker System. Owner's Guide. 20 December 2001, 19 pages.	
	44	Bose. The Bose Lifestyle Powered Speaker System. Owner's Guide, December 20, 2001, 19 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	BRASSIL et al., "Enhancing Internet Streaming Media with Cueing Protocols," 2000, 9 pages.	
	46	BREEBAART et al., "Multi-Channel Goes Mobile: MPEG Surround Binaural Rendering," AES 29th International Conference, September 2-4, 2006, pp. 1-13.	
	47	BRETL W.E., et al., MPEG2 Tutorial [online], 2000 [retrieved on 2009-01-13] Retrieved from the Internet:(http://www.bretl.com/mpeghtml/MPEGindex.htm), pp. 1-23.	
	48	BridgeCo - Wireless Loudspeaker Product Information Version 1.4, 16 December 2003, 5 pages.	
	49	BridgeCo. Audio Adapter, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	50	BridgeCo. BridgeCo Launches UPnP-Compliant Wireless Audio Adapter: Moving More Digital Audio to More Devices in More Locations, Wirelessly. 16 September 2003, 1 page.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Trask, Simon. NewsRoom, Pro Sound News Europe, Bluetooth to drive wireless speakers, Volume 18; Issue 6, 1 June 2003, 2 pages.	
	2	Truong and Vannuccini. The IEEE 802.11e MAC for Quality of Service in Wireless LANs. IBM Research, Zurich Research Library, 6 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	3	Tsai et al. SIM-based Subscriber Authentication for Wireless Local Area Networks, 2003, 6 pages.	
	4	UL An Affiliate of Underwriters Laboratories Inc. FCC ID: A6RMCX1000A 19 May 2003, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	5	UL Apex Co., Ltd. EMI Test Report, Test Report No.: 23GE0067-HO-2, Yamaha Digital Audio Server MCX-1000, 25 April 2003, 54 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	6	Understanding Universal Plug and Play, Microsoft White Paper (June 2000) (D+M_0402074-118) (45 pages).	
	7	UNITED STATES PATENT AND TRADEMARK OFFICE, U.S. Provisional Application No. 60/378,415 filed on 06 May 2002, entitled "Localized Audio Networks and Assoiciated Digital Accessories," 33 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	8	UNITED STATES PATENT AND TRADEMARK OFFICE, U.S. Provisional Application No. 60/379,313 filed on 09 May 2002, entitled "Audio Network Distribution System," 50 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	9	UNITED STATES PATENT AND TRADEMARK OFFICE, U.S. Provisional Application No. 60/388,887 filed on 14 June 2002, entitled "Localized Audio Networks and Associated Digital Accessories," 42 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	10	UNITED STATES PATENT AND TRADEMARK OFFICE, U.S. Provisional Application No. 60/452,230 filed on 4 March 2003, entitled "Localized Audio Networks and Associated Digital Accessories," 104 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	11	UNITED STATES PATENT AND TRADEMARK OFFICE, U.S. Provisional Application No. 60/490,768 filed on 28 July 2003, entitled "Method for synchronizing audio playback between multiple networked devices," 13 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	UNITED STATES PATENT AND TRADEMARK OFFICE, U.S. Provisional Application No. 60/825,407 filed on 12 September 2006, entitled "Controlling and manipulating groupings in a multi-zone music or media system," 82 pages.	
	13	Universal Plug and Play Device Architecture V. 1.0, (June 8, 2000) (54 pages).	
	14	Universal Plug and Play in Windows XP, Tom Fout. Microsoft Corporation (July 2001) (D+M_0402041-73) (33 pages).	
	15	Universal Plug and Play ("UPnP") AV Architecture:1 For UPnP, Version 1.0, (June 25, 2002) (D+M_0298151-72) (22 pages).	
	16	Universal Plug and Play Vendor's Implementation Guide (January 5, 2000) (7 pages).	
	17	Universal Scientific Industrial Co., Ltd., FCC ID: IXMWAA-B-AGB-01, Federal Communications Commission, Confidentiality Request, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	18	Universal Scientific Industrial Co., Ltd., ID Label for USI WAA, USI WAA-B-AGB-01, FCC ID: IXMWAA-B-AGB-01, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	19	Universal Scientific Industrial Co., Ltd., Label Location, USI WAA-B-AGB-01, FCC ID: IXMWAA-B-AGB-01, 30 October 2003, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	20	Universal Scientific Industrial Co., Ltd., Power of Attorney, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	21	Universal Serial Bus Specification Revision 2.0 April 27, 2000, 650 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	22	"UPnP and Sonos Questions," Sonos Community, December 2006, 5 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	UPnP AV Architecture:0.83 For UPnP Version 1.0, 12 June 2002, copyright 2000, 22 pages. .	
	24	UPnP AV Architecture:0.83 (June 12, 2002) (SONDM000115483-504) (22 pages).	
	25	UPnP Design by Example, A Software Developers Guide to Universal Plug and Play Michael Jeronimo and JackWeast, Intel Press (D+M_0401307-818) (April 2003) (511 pages).	
	26	UPnP Forum. UPnP Device Architecture 1.0. October 15, 2008, 80 pages.	
	27	UPnP; "Universal Plug and Play Device Architecture," 08 June 2000; version 1.0; Microsoft Corporation; pp 1-54.	
	28	Urien et al. EAP-TLS Smartcards, from Dream to Reality, 4th Workshop on Applications and Services in Wireless Networks, 9 August 2004, 19 pages.	
	29	Valtchev et al. In Home Networking, Service Gateway Architecture for a Smart Home, April 2002, 7 pages.	
	30	WANCommonInterfaceConfig:1 Service Template Version 1.01 For UPnP, Ver. 1.0 (November 12, 2001) (D +M_0401820-43) (24 pages).	
	31	WANIPConnection:1 Service Template Version 1.01 For UPnP Ver. 1.0 (November 12, 2001) (D+M_0401844-917) (74 pages).	
	32	WANPPPConnection:1 Service Template Version 1.01 For UPnP, Version 1.0 (November 12, 2001) (D +M_0401918-2006) (89 pages).	
	33	WaveLan High-Speed Multimode Chip Set, AVAGO0003, Agere Systems, February 2003, 4 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	WaveLan High-Speed Multimode Chip Set, AVAGO0005, Agere Systems, February 2003, 4 pages.	
	35	WaveLAN Wireless Integration Developer Kit (WI-DK) for Access Point Developers, AVAGO0054, Agere Systems, July 2003, 2 pages.	
	36	WaveLAN Wireless Integration-Developer Kit (WI-DK) Hardware Control Function (HCF), AVAGO0052, Agere Systems, July 2003, 2 pages.	
	37	"Welcome. You're watching Apple TV." Apple TV 1st Generation Setup Guide, 8 April 2008 http://manuals.info.apple.com/MANUALS/0/MA403/en_US/AppleTV_SetupGuide.pdf Retrieved 10/14/14, 40 pages.	
	38	"Welcome. You're watching Apple TV." Apple TV 2nd Generation Setup Guide, 10 March 2011 Retrieved 10/16/14, 36 pages.	
	39	"Welcome. You're watching Apple TV." Apple TV 3rd Generation Setup Guide, 16 March 2012 Retrieved 10/16/14, 36 pages.	
	40	Weverka et al. Windows XP Gigabook for Dummies. Wiley Publishing, Inc. 2004, 915 pages.	
	41	WI-DK Release 2 WaveLan Embedded Drivers for VxWorks and Linux, AVAGO0056, Agere Systems, July 2003, 2 pages.	
	42	WI-DK Release 2 WaveLan END Reference Driver for VxWorks, AVAGO0044, Agere Systems, July 2003, 4 pages.	
	43	WI-DK Release 2 WaveLan LKM Reference Drivers for Linux, AVAGO0048, Agere Systems, July 2003, 4 pages.	
	44	Wi-Fi Alliance. Wi-Fi Protected Setup Specification, Version 1.0h, December 2006, 110 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Wildstrom, Stephen. At CES, Cool Tech Still Rules. BusinessWeek Online, 13 January 2003, 3 pages.	
	46	Wilkins, N., SMC SMCWMR-AG EZ-Stream (wireless) review. CNET, 8 February 2004, 3 pages.	
	47	Wilkins, N., SMC SMCWMR-AG EZ-Stream (wireless) review. CNET, 8 February 2004, 5 pages.	
	48	Williams, A. Zero Configuration Networking. Requirements for Automatic Configuration of IP Hosts, 19 September 2002, 19 pages.	
	49	Williams, Stephen. NewsRoom, Going Wireless, 21 October 2003, 2 pages.	
	50	Williams, Stephen. NewsRoom, Newsday, As Wireless Evolves, Compatibility is Key, 21 July 2003, 3 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Windows Media Connect Device Compatibility Specification (April 12, 2004) (16 pages).	
	2	Windows XP: The Complete Reference - Chapter 19 Working with Sound, 6 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	3	Wired. Total Remote Control, Issue 11.06, June 2003, 2 pages.	
	4	Wireless Home Audio Director. Wireless N Music Player with Integrated Amplifier DMC250. Datasheet. Linksys by Cisco. Fill Your Home with Music, 2008, 2 pages. .	
	5	Wireless Music Console Network Setup, 8 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	6	Wireless USB Adapter 11g CPWUA054, CPWUA054|00, CPWUA054|37, User Manual, Version: 1.0, December 2003, 29 pages.	
	7	WPA Reauthentication Rates, AVAGO0063, Agere Systems, February 2004, 3 pages.	
	8	Yahoo Finance. BridgeCo Successfully Commercializes its BeBoB Application for the Music Industry: Four Manufacturers Demonstrate BeBoB-enabled Products at NAMM 2004. 16 January 2004, 3 pages.	
	9	Yahoo Groups. Exstreamer. Barix Exstreamer. Access via Wayback Machine http://groups.yahoo.com/group/exstreamer/ December 22, 2013, 1 page. .	
	10	Yamaha Corporation. Declaration of Dedicated RF card requirement to American Telecommunications Certification Body, Inc. 16 May 2003, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	11	YAMAHA CORPORATION. Internal Photo, FCC ID: A6RMCX1000A, 5 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Yamaha Corporation. Letter of Agency to American Telecommunications Certification Body, Inc. 10 April 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	13	YAMAHA CORPORATION. RF Exposure Statement No. 23GE0067-HO-2, Digital Audio Server, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	14	Yamaha. Digital Audio Server, MCX-1000, Owner's Manual, 1996-2002, 148 pages.	
	15	Yamaha DME 32 manual: copyright 2001.	
	16	Yamaha DME 64 Owner's Manual; copyright 2004, 80 pages.	
	17	Yamaha DME Designer 3.0 Owner's Manual; Copyright 2008, 501 pages.	
	18	Yamaha DME Designer 3.5 setup manual guide; copyright 2004, 16 pages.	
	19	Yamaha DME Designer 3.5 User Manual; Copyright 2004, 507 pages.	
	20	Yamaha DME Designer software manual: Copyright 2004, 482 pages.	
	21	Yamaha. Manufacturer's Letter 10 April 2003, 2 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	22	Yamaha MCX-1000 FCC ID: ABFIMCX10000A, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Yamaha MusicCAST Digital Audio Server MCX-1000 Owner's Manual, Copyright 1996-2002, 148 pages.	
	24	Yamaha, MusicCAST: Digital Audio Terminal MCX-A10, Owner's Manual. 4 June 2003, 76 pages.	
	25	Yamaha Personal Receiver RP-U200 Operation Manual ("Operation Manual"), Copyright 1992-1997, 57 pages.	
	26	Yamaha. Request for Confidentiality. 10 April 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	27	"Symantec pcAnywhere User's Guide," v 10.5.1, 1995-2002, 154 pages.	
	28	"Systemline Modular Installation Guide, Multiroom System," Systemline, 2003, pp. 1-22.	
	29	Zero Configuration Networking - Zeroconf. www.zeroconf.org, 4 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	30	Zero Configuration networking with Bonjour -YouTube available via https://www.youtube.com/watch?v=ZhtZJ6EsCXo 3 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	31	Zeroconf Working Group, Dynamic Configuration of IPv4 Link-Local Addresses, Internet-Draft, 8 July 2004, 62 pages.	
	32	Zeroconf Working Group, Dynamic Configuration of IPv4 Link-Local Addresses, Internet-Draft, 1 July 2004, 60 pages.	
	33	Zeroconf Working Group, Dynamic Configuration of IPv4 Link-Local Addresses, Internet-Draft, 7 June 2004, 62 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Zeroconf Working Group, Dynamic Configuration of Link-Local IPv4 Addresses, Internet-Draft, 16 February 2004, 60 pages.	
	35	Zeroconf Working Group, Dynamic Configuration of Link-Local IPv4 Addresses, Internet-Draft, 31 March 2004, 60 pages.	
	36	"ZR-8630AV MultiZone Audio/Video Receiver, Installation and Operation Guide," Niles Audio Corporation, 2003, 86 pages.	
	37	ZX135: Installation Manual,LA Audio, April 2003, 44 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	8750282		2014-06-10	GELTER; Aaron et al.	
	2	8751026		2014-06-10	SATO; Teppei et al.	
	3	8762565		2014-06-24	TOGASHI; Ryuichiro et al.	
	4	8768252		2014-07-01	WATSON; Clarke S. et al.	
	5	8775546		2014-07-08	MILLINGTON; Nicholas A. J.	
	6	8797926		2014-08-05	KEARNEY, III; Philip F. et al.	
	7	8818538		2014-08-26	SAKATA; Junichiro	
	8	8819554		2014-08-26	BASSO; Andrea et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	9	8831761		2014-09-09	KEMP; Thomas et al.	
	10	8843586		2014-09-23	PANTOS; Roger et al.	
	11	8861739		2014-10-14	OJANPERA; Juha P.	
	12	8868698		2014-10-21	MILLINGTON; Nicholas A. J. et al.	
	13	8885851		2014-11-11	WESTENBROEK; Marcel	
	14	8904066		2014-12-02	MOORE; Jeffrey C. et al.	
	15	8917877		2014-12-23	HAAFF; Olle et al.	
	16	8930006		2015-01-06	HAATAINEN; Niko	
	17	8934647		2015-01-13	JOYCE; John et al.	
	18	8934655		2015-01-13	BREEN; John J. et al.	
	19	8942252		2015-01-27	BALASSANIAN; Edward et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	20	8942395		2015-01-27	LISSAMAN; Geoff et al.	
	21	8954177		2015-02-10	SANDERS; Christopher John	
	22	8965544		2015-02-24	RAMSAY; Max Gordon	
	23	8966394		2015-02-24	GATES; Patrick et al.	
	24	9014833		2015-04-21	GOH; Aik Hee Daniel et al.	
	25	9042556		2015-05-26	KALLAI; Christopher [Us] et al.	
	26	9078281		2015-07-07	MATSUDA; Makoto et al.	
	27	9130770		2015-09-08	MILLINGTON; Nicholas A.J et al.	
	28	9137602		2015-09-15	MAYMAN; Avrum G. et al.	
	29	9160965		2015-10-13	REDMANN; William Gibbens et al.	
	30	9195258		2015-11-24	MILLINGTON; Nicholas A. J.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	31	9456243		2016-09-27	HUGHES; Gary et al.	
	32	9507780		2016-11-29	ROTHKOPF; Fletcher R. [Us] et al.	
	33	9560448		2017-01-31	HARTUNG; Klaus	
	34	9998321		2018-06-12	CHESHIRE; Stuart D.	
	35	10,133,536		2018-11-20	MILLINGTON; Nicholas A. J.	
	36	10,157,033		2018-12-18	MILLINGTON; Nicholas A. J.	
	37	10,175,930		2019-01-08	MILLINGTON; Nicholas A. J.	

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20010001160		2001-05-10	SHOFF; Daniel J. et al.	
	2	20010009604		2001-07-26	ANDO; Hideo et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	3	20010022823		2001-09-20	RENAUD; Pierre	
	4	20010027498		2001-10-04	VAN DE MEULENHOF; Dennis et al.	
	5	20010032188		2001-10-18	MIYABE; Yoshiyuki et al.	
	6	20010042107		2001-11-15	PALM; Stephen R.	
	7	20010043456		2001-11-22	ATKINSON; LEE	
	8	20010046235		2001-11-29	TREVITT; Stephen et al.	
	9	20010047377		2001-11-29	SINCAGLIA; Nicholas William et al.	
	10	20010050991		2001-12-13	EVES; David A.	
	11	20010055950		2001-12-27	DAVIES; Robert J. et al.	
	12	20020002039		2002-01-03	QURESHEY; Safi et al.	
	13	20020002562		2002-01-03	MORAN; Thomas P. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	14	20020002565		2002-01-03	OHYAMA; Akira	
	15	20020003548		2002-01-10	KRUSCHE; Arnd et al.	
	16	20020015003		2002-02-07	KATO; Masami et al.	
	17	20020022453		2002-02-21	BALOG; Horia et al.	
	18	20020026442		2002-02-28	LIPSCOMB; Kenneth O. et al.	
	19	20020034374		2002-03-21	BARTON; James M.	
	20	20020035621		2002-03-21	ZINTEL; William Michael et al.	
	21	20020042844		2002-04-11	CHIAZZESE; Giovanni	
	22	20020049843		2002-04-25	BARONE; Samuel T. et al.	
	23	20020062406		2002-05-23	CHANG; William Ho et al.	
	24	20020065926		2002-05-30	HACKNEY; Michael L.J et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	25	20020067909		2002-06-06	IIVONEN; Jukka-Pekka	
	26	20020072816		2002-06-13	SHDEMA; Yoav [Il] et al.	
	27	20020072817		2002-06-13	CHAMPION; Mark	
	28	20020073228		2002-06-13	COGNET; Yves et al.	
	29	20020078293		2002-06-20	KOU; SHO et al.	
	30	20020080783		2002-06-27	FUJIMORI; Junichi [Jp] et al.	
	31	20020083172		2002-06-27	KNOWLES; Gregory T. et al.	
	32	20020083342		2002-06-27	WEBB; Brian T. et al.	
	33	20020090914		2002-07-11	KANG; Hyun-Sook et al.	
	34	20020093478		2002-07-18	YEH; Chun LIN	
	35	20020095460		2002-07-18	BENSON; Michael	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	36	20020098878		2002-07-25	MOONEY; Philip D. et al.	
	37	20020101357		2002-08-01	GHARAPETIAN; ARA H.	
	38	20020103635		2002-08-01	MESAROVIC; Vladimir Z. et al.	
	39	20020109710		2002-08-15	HOLTZ; Alex et al.	
	40	20020112084		2002-08-15	DEEN; Gary D. et al.	
	41	20020112244		2002-08-15	LIOU; Shih-Ping et al.	
	42	20020114354		2002-08-22	SINHA; Pranesh et al.	
	43	20020114359		2002-08-22	IBARAKI; Susumu et al.	
	44	20020124097		2002-09-05	ISELY; Larson J. et al.	
	45	20020124182		2002-09-05	BACSO; Stephen R. et al.	
	46	20020129128		2002-09-12	GOLD; Stephen et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	47	20020129156		2002-09-12	YOSHIKAWA; Masato	
	48	20020131398		2002-09-19	TAYLOR; James L.	
	49	20020131761		2002-09-19	KAWASAKI; Kojiro et al.	
	50	20020136335		2002-09-26	LIOU; Shih-Ping et al.	
	51	20020137505		2002-09-26	EICHE; Steven A. et al.	
	52	20020143998		2002-10-03	RAJAGOPAL; Priya et al.	
	53	20020146981		2002-10-10	SAINT-HILAIRE; Ylian et al.	
	54	20020150053		2002-10-17	GRAY; Donald M. et al.	
	55	20020159596		2002-10-31	DURAND; Julian et al.	
	56	20020161865		2002-10-31	NGUYEN; Brian G.	
	57	20020163361		2002-11-07	PARKIN; Michael W.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	58	20020165721		2002-11-07	CHANG; Kenneth H.P et al.	
	59	20020165921		2002-11-07	SAPIEYEVSKI; Jerzy	
	60	20020168938		2002-11-14	CHANG; Chin-Chi	
	61	20020173273		2002-11-21	SPURGAT; Jeffrey Jonathan et al.	
	62	20020174243		2002-11-21	SPURGAT; Jeffrey Jonathan et al.	
	63	20020177411		2002-11-28	YAJIMA; Kiyoshi et al.	
	64	20020181355		2002-12-05	SHIKUNAMI; Juichi et al.	
	65	20020184310		2002-12-05	TRAVERSAT; Bernard A. et al.	
	66	20020188762		2002-12-12	TOMASSETTI; Stephen Robert et al.	
	67	20020194260		2002-12-19	HEADLEY; Kent Lawrence et al.	
	68	20020194309		2002-12-19	CARTER; Harry Nick et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	69	20030002609		2003-01-02	FALLER; Christof et al.	
	70	20030002849		2003-01-02	LORD; William P.	
	71	20030008616		2003-01-09	ANDERSON; Lelan S.	
	72	20030014486		2003-01-16	MAY; Gregory J.	
	73	20030018797		2003-01-23	DUNNING; TED E. et al.	
	74	20030020763		2003-01-30	MAYER; Theodore et al.	
	75	20030023411		2003-01-30	WITMER; Don et al.	
	76	20030023741		2003-01-30	TOMASSETTI; Stephen Robert et al.	
	77	20030035072		2003-02-20	HAGG; Wilhelm	
	78	20030035444		2003-02-20	ZWACK; Eduard	
	79	20030041173		2003-02-27	HOYLE; Stephen L.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	80	20030041174		2003-02-27	WEN; Sayling et al.	
	81	20030043856		2003-03-06	LAKANIEMI; ARI et al.	
	82	20030043924		2003-03-06	HADDAD; Semir S. et al.	
	83	20030046703		2003-03-06	KNOWLES; Gregory T. et al.	
	84	20030050058		2003-03-13	WALSH; Rod et al.	
	85	20030055892		2003-03-20	HUITEMA; Christian et al.	
	86	20030056220		2003-03-20	THORNTON; James Douglass et al.	
	87	20030061428		2003-03-27	GARNEY; John I. et al.	
	88	20030063528		2003-04-03	OGIKUBO; Takahiko	
	89	20030063755		2003-04-03	NOURSE; James D. et al.	
	90	20030066094		2003-04-03	VAN DER SCHAAR; Auke Sjoerd et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	91	20030067437		2003-04-10	MCCLINTOCK; Dale Thomas et al.	
	92	20030073432		2003-04-17	MEADE; William K.	
	93	20030097478		2003-05-22	KING; James Reynell	
	94	20030099212		2003-05-29	ANJUM; Farooq et al.	
	95	20030099221		2003-05-29	RHEE; Sokwoo	
	96	20030100335		2003-05-29	GASSHO; Kazuhito et al.	
	97	20030101253		2003-05-29	SAITO; Takayuki et al.	
	98	20030103088		2003-06-05	DRESTI; Mauro et al.	
	99	20030103464		2003-06-05	WONG; Yoon Kean et al.	
	100	20030109270		2003-06-12	SHORTY; Peter	
	101	20030110329		2003-06-12	HIGAKI; Nobuo et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	102	20030123853		2003-07-03	IWAHARA; Yuji et al.	
	103	20030126211		2003-07-03	ANTTILA; Akseli et al.	
	104	20030135822		2003-07-17	EVANS; Glenn F.	
	105	20030157951		2003-08-21	HASTY; William V.	
	106	20030167335		2003-09-04	ALEXANDER; Bruce	
	107	20030172123		2003-09-11	POLAN; Jeffrey S. et al.	
	108	20030179780		2003-09-25	WALKER; Anthony et al.	
	109	20030182254		2003-09-25	PLASTINA; Daniel et al.	
	110	20030185400		2003-10-02	YOSHIZAWA; Kazuhiko et al.	
	111	20030187657		2003-10-02	ERHART; George W. et al.	
	112	20030195964		2003-10-16	MANE; Pravin D.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	113	20030198254		2003-10-23	SULLIVAN; Gary E. et al.	
	114	20030198255		2003-10-23	SULLIVAN; Gary E. [Us] et al.	
	115	20030198257		2003-10-23	SULLIVAN; Gary E. et al.	
	116	20030200001		2003-10-23	GODDARD; Mark D.	
	117	20030204273		2003-10-30	DINKER; Darpan et al.	
	118	20030204509		2003-10-30	DINKER; Darpan et al.	
	119	20030210796		2003-11-13	MCCARTY; William A. et al.	
	120	20030212802		2003-11-13	RECTOR; Dusty D. et al.	
	121	20030219007		2003-11-27	BARRACK; Craig et al.	
	122	20030220705		2003-11-27	IBEY; Jarry A.	
	123	20030225834		2003-12-04	LEE; Oliver et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	124	20030227478		2003-12-11	CHATFIELD; Keith M.	
	125	20030229900		2003-12-11	REISMAN; Richard	
	126	20030231208		2003-12-18	HANON; Kris et al.	
	127	20030231871		2003-12-18	USHIMARU; Chikara	
	128	20030235304		2003-12-25	EVANS; Glenn F. et al.	
	129	20040001106		2004-01-01	DEUTSCHER; John et al.	
	130	20040001484		2004-01-01	OZGUNER; Tolga	
	131	20040001591		2004-01-01	MANI; Murali et al.	
	132	20040002938		2004-01-01	DEGUCHI; Yuichiro	
	133	20040008852		2004-01-15	ALSO; Masaru et al.	
	134	20040010727		2004-01-15	FUJINAMI; Yasushi	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	135	20040012620		2004-01-22	BUHLER; Rene et al.	
	136	20040014426		2004-01-22	MOORE; Richard A.	
	137	20040015252		2004-01-22	AISO; Masaru et al.	
	138	20040019497		2004-01-29	VOLK; Andrew R. et al.	
	139	20040019807		2004-01-29	FREUND; Gregor P. et al.	
	140	20040019911		2004-01-29	GATES; Matthijs A. et al.	
	141	20040023697		2004-02-05	KOMURA; Tatsumi	
	142	20040024478		2004-02-05	HANS; Mathieu Claude et al.	
	143	20040024925		2004-02-05	CYPHER; Robert E. et al.	
	144	20040027166		2004-02-12	MANGUM; Wayne G. et al.	
	145	20040032348		2004-02-19	LAI; Angela C. W. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	146	20040032421		2004-02-19	WILLIAMSON; Charles G. et al.	
	147	20040037433		2004-02-26	CHEN; Heng-Chien	
	148	20040041836		2004-03-04	ZANER; Melora et al.	
	149	20040042629		2004-03-04	MELLONE; Charles M. et al.	
	150	20040044742		2004-03-04	EVRON; Roni et al.	
	151	20040048569		2004-03-11	KAWAMURA; Harumi	
	152	20040059842		2004-03-25	HANSON; Mark L. et al.	
	153	20040059965		2004-03-25	MARSHALL; Kenneth R. et al.	
	154	20040066736		2004-04-08	KROEGER; Brian William	
	155	20040075767		2004-04-22	NEUMAN; Darren et al.	
	156	20040078383		2004-04-22	MERCER; IAN Cameron et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	157	20040080671		2004-04-29	SIEMENS; Duane et al.	
	158	20040093096		2004-05-13	HUANG; Steve Lan-Ping et al.	
	159	20040098754		2004-05-20	VELLA; Zane et al.	
	160	20040111473		2004-06-10	LYSENKO; Anton et al.	
	161	20040117462		2004-06-17	BODIN; William Kress et al.	
	162	20040117491		2004-06-17	KARAOGUZ; Jeyhan et al.	
	163	20040117840		2004-06-17	BOUDREAU; Paul A. et al.	
	164	20040117858		2004-06-17	BOUDREAU; Paul A. et al.	
	165	20040128701		2004-07-01	KANEKO; Toshimitsu et al.	
	166	20040131192		2004-07-08	METCALF; Randall B.	
	167	20040133689		2004-07-08	VASISHT; Samrat	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	168	20040143368		2004-07-22	MAY; Robert E. et al.	
	169	20040143852		2004-07-22	MEYERS; Philip G.	
	170	20040148237		2004-07-29	BITTMANN; RAN et al.	
	171	20040168081		2004-08-26	LADAS; Corey M. et al.	
	172	20040170383		2004-09-02	MAZUR; Leszek	
	173	20040171346		2004-09-02	LIN; John	
	174	20040176025		2004-09-09	HOLM; Jukka et al.	
	175	20040177167		2004-09-09	IWAMURA; Ryuichi et al.	
	176	20040179554		2004-09-16	TSAO; Hsi-Kang	
	177	20040183827		2004-09-23	PUTTERMAN; Daniel et al.	
	178	20040185773		2004-09-23	GERBER; Louis et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	179	20040195313		2004-10-07	LEE; Hyeok-Soo	
	180	20040203376		2004-10-14	PHILLIPPS; John Quentin	
	181	20040203378		2004-10-14	POWERS; Simon	
	182	20040203590		2004-10-14	SHTEYN; Eugene	
	183	20040203936		2004-10-14	OGINO; Minoru et al.	
	184	20040208158		2004-10-21	FELLMAN; Ronald D. et al.	
	185	20040213230		2004-10-28	DOUSKALIS; William et al.	
	186	20040214524		2004-10-28	NODA; Takuro et al.	
	187	20040223622		2004-11-11	LINDEMANN; Eric LEE [Us] et al.	
	188	20040224638		2004-11-11	FADELL; Anthony M. et al.	
	189	20040228367		2004-11-18	MOSIG; Rudiger et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	190	20040248601		2004-12-09	CHANG; Chin-Chi	
	191	20040249490		2004-12-09	SAKAI; Kenji	
	192	20040249965		2004-12-09	HUGGINS; GUY Dwayne et al.	
	193	20040249982		2004-12-09	ARNOLD; Johann et al.	
	194	20040252400		2004-12-16	BLANK; William Thomas et al.	
	195	20040253969		2004-12-16	NGUYEN; Vu X. et al.	
	196	20050010691		2005-01-13	OYADOMARI; Randy et al.	
	197	20050011388		2005-01-20	KOUZNETSOV; Alex A.	
	198	20050013394		2005-01-20	RAUSCH; Mathias et al.	
	199	20050015551		2005-01-20	EAMES; Russell Mark et al.	
	200	20050021590		2005-01-27	DEBIQUE; Kirt A. [Us] et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	201	20050027821		2005-02-03	ALEXANDER; Justin et al.	
	202	20050047605		2005-03-03	LEE; Noel et al.	
	203	20050058149		2005-03-17	HOWE; Wayne Richard	
	204	20050060435		2005-03-17	XUE; XIN et al.	
	205	20050062637		2005-03-24	EL ZABADANI; Hicham Mahmoud et al.	
	206	20050081213		2005-04-14	SUZUOKI; Masakazu et al.	
	207	20050100166		2005-05-12	SMETTERS; Diana K. et al.	
	208	20050105052		2005-05-19	MCCORMICK; TOM et al.	
	209	20050114538		2005-05-26	ROSE; Steven W.	
	210	20050120128		2005-06-02	WILLES; W. P. et al.	
	211	20050125222		2005-06-09	BROWN; Michael Wayne et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	212	20050125357		2005-06-09	SAADAT; Abbas S. et al.	
	213	20050129240		2005-06-16	BALFANZ; Dirk et al.	
	214	20050131558		2005-06-16	BRAITHWAITE; Michael et al.	
	215	20050149204		2005-07-07	MANCHESTER; Scott et al.	
	216	20050154766		2005-07-14	HUANG; Wei-Hung et al.	
	217	20050159833		2005-07-21	GIAIMO; Edward C. et al.	
	218	20050160270		2005-07-21	GOLDBERG; David et al.	
	219	20050166135		2005-07-28	BURKE; David G. et al.	
	220	20050168630		2005-08-04	YAMADA; Norihiko et al.	
	221	20050170781		2005-08-04	JACOBSEN; Eric A. et al.	
	222	20050177643		2005-08-11	XU; Shugong	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	223	20050181348		2005-08-18	CAREY; Tadhg M. et al.	
	224	20050195205		2005-09-08	ABRAMS; Thomas A.Jr	
	225	20050195823		2005-09-08	CHEN; Jian-Rong et al.	
	226	20050197725		2005-09-08	ALEXANDER; JIM et al.	
	227	20050198221		2005-09-08	MANCHESTER; Scott et al.	
	228	20050198574		2005-09-08	LAMKIN; Allan B. et al.	
	229	20050201549		2005-09-15	DEDIEU; Stephane et al.	
	230	20050215265		2005-09-29	SHARMA; Sanjeev K.	
	231	20050216556		2005-09-29	MANION; Todd R. et al.	
	232	20050239445		2005-10-27	KARAOGUZ; Jeyhan et al.	
	233	20050246421		2005-11-03	MOORE; Kevin R. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	234	20050262217		2005-11-24	NONAKA; Masao et al.	
	235	20050281255		2005-12-22	DAVIES; Trevor et al.	
	236	20050283820		2005-12-22	RICHARDS; Martin J. et al.	
	237	20050288805		2005-12-29	MOORE; Jeffrey C. et al.	
	238	20050289224		2005-12-29	DESLIPPE; Mark H. et al.	
	239	20060041639		2006-02-23	LAMKIN; Allan B. [Us] et al.	
	240	20060072489		2006-04-06	TOYOSHIMA; Akihiko	
	241	20060095516		2006-05-04	WIJERATNE; Viranga L.	
	242	20060098936		2006-05-11	IKEDA; Wataru et al.	
	243	20060119497		2006-06-08	MILLER; Kevin L. et al.	
	244	20060142034		2006-06-29	WENTINK; Menzo et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	245	20060143236		2006-06-29	WU; Michael	
	246	20060155721		2006-07-13	GRUNWALD; David et al.	
	247	20060161635		2006-07-20	LAMKIN; Allan B. et al.	
	248	20060161742		2006-07-20	SUGIMOTO; Kayo et al.	
	249	20060173844		2006-08-03	ZHANG; Junbiao et al.	
	250	20060173976		2006-08-03	VINCENT; Jonathan M. et al.	
	251	20060193454		2006-08-31	ABOU-CHAKRA; Rabih et al.	
	252	20060222186		2006-10-05	PAIGE; Robert F. et al.	
	253	20060227985		2006-10-12	KAWANAMI; Kenichiro	
	254	20060259649		2006-11-16	HSIEH; Kuan-Hong et al.	
	255	20060265571		2006-11-23	BOSCH; Thomas et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	256	20060270395		2006-11-30	DHAWAN; Anil K. [Us] et al.	
	257	20060281409		2006-12-14	LEVIEN; Royce A. et al.	
	258	20060287746		2006-12-21	BRAITHWAITE; Michael et al.	
	259	20070003067		2007-01-04	GIERL; Stefan et al.	
	260	20070022156		2007-01-25	GRUBBS; Gregory J.	
	261	20070022207		2007-01-25	MILLINGTON; Nicholas A. et al.	
	262	20070038999		2007-02-15	MILLINGTON; Nicholas A. J.	
	263	20070043847		2007-02-22	CARTER; Harry N. et al.	

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

NON-PATENT LITERATURE DOCUMENTS			Remove
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
	1	BridgeCo. Company Overview. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	2	BridgeCo. Networked Entertainment, Product Information. 7 October 2003, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	3	BridgeCo. Networked Loudspeaker Product Information, 4 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	4	BridgeCo. News and Events, BridgeCo Launches UPnP-Compliant Wireless Audio Adapter 16 September 2003, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	5	BridgeCo. Professional Loudspeaker - Product Information, 3 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	6	BridgeCo. User Manual, Wireless Audio Adapter. 22 September 2003, 34 pages.	
	7	BridgeCo. Vision. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	8	BridgeCo. Vision, 5 Factors, 5 Missing Functionalities. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	9	BridgeCo. Vision, 5 Key Functions. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	10	BridgeCo. Vision, BridgeCo Solution. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	11	BridgeCo. Vision, Consumer Benefits. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	12	BridgeCo. Vision, Consumer Demand. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	13	BridgeCo. Vision, ENA Applications. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	14	BridgeCo. Vision, ENA Deployment. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	15	BridgeCo. Vision, ENA Functionality. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	16	BridgeCo. Vision, ENA Market. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	17	BridgeCo. Vision, Entertainment Continuum. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	18	BridgeCo. Vision, Entertainment Network Adapter. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	19	BridgeCo. Vision, New Entertainment. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020] .	
	20	BridgeCo. Vision, Technical Problems. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020] .	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	21	BridgeCo. Wireless Audio Adapter, Product Information. 3 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020] .	
	22	BridgeCo. Wireless Audio Adapter Reference Design, Product Information. Version 1.3. 31 October 2003, 2 pages.	
	23	BridgeCo. Wireless Audio Adapter Reference Design. Product Information. Version 1.3, 31 October 2003, 2 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	24	BridgeCo. Wireless Loudspeaker, Product Information. 4 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020] .	
	25	BridgeCo. Wireless Loudspeaker, Product Information. Version 1.4. 16 December 2003, 5 pages.	
	26	Buffalo. Link Theater LT-H90 Media Player v1.0, 2003- 2008, 38 pages.	
	27	Buffalo. LinkTheater PC-P3LWG/DVD, 59 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	28	Business Wire. BridgeCo Adds Wireless Connectivity and Enhances Surround Sound Processing for New Generation Speakers. 5 May 2003, 2 pages.	
	29	c200 Wireless Network MP3 Player, 4 June 2003, 1 page.	
	30	Cai et al. Simple Service Discovery Protocol/1.0, Internet Engineering Task Force, 8 April 1999, 8 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	31	CANADIAN INTELLECTUAL PROPERTY OFFICE, Canadian Office Action mailed on 04 April 2016, issued in connection with Canadian Patent Application No. 2,842,342, 5 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	32	CANADIAN INTELLECTUAL PROPERTY OFFICE, Canadian Office Action mailed on 14 September 2015, issued in connection with Canadian Patent Application No. 2,842,342, 2 pages.	
	33	Carnoy, David. Parrot DS1120 Wireless Hi-Fi Speaker System Review, 15 July 2008, 4 pages.	
	34	Case et al. RFC 1157 - A Simple Network Management Protocol, May 1990, 36 pages.	
	35	cd30. Audio Control Document V4.2 Released! 18 September 2003, 7 pages.	
	36	cd30. Audio Control Protocol Availability, 28 February 2004, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	37	cd30 Audio Control Protocol. Version 4.2. 18 September 2003, 24 pages.	
	38	cd30. Audio Stream Protocol Released. 9 March 2004, 2 pages.	
	39	Cd30. Audio Stream Protocol: Version 18. 9 March 2004, 13 pages.	
	40	cd30 Backgrounder, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	41	cd30. c100 Network MP3 Player. Quick Product Summary .1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	42	cd30. c200 Wireless Network MP3 Player. Quick Product Summary. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	43	cd30. c300 Extended-Range Wireless Network MP3 Player. Quick Product Summary, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	44	cd30 C300 Reviews. Digital Audio Receivers (DARs) Reviews by CNET, 30 March 2003, 3 pages.	
	45	cd30. Careers, 21 November 2003, 1 page.	
	46	cd30. Contact, 12 December 2003, 1 page.	
	47	cd30. Corporate Fact Sheet, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	48	cd30 FAQs. What problem or need does cd30 address with their products? 2 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	49	cd30 Frequently-Asked Questions About cd30 Network MP3 Players, 12 December 2003, 6 pages.	
	50	cd30 Introduces Family of MP3 Players at this year's Consumer Electronics Show. 9-12 January, 2003 Las Vegas Convention Center, 12 February 2004, 2 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20070047712		2007-03-01	GROSS; Kevin P. et al.	
	2	20070048713		2007-03-01	PLASTINA; Daniel et al.	
	3	20070054680		2007-03-08	MO; Shaomin S. et al.	
	4	20070087686		2007-04-19	HOLM; Jukka et al.	
	5	20070142022		2007-06-21	MADONNA; Robert P. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	6	20070142944		2007-06-21	GOLDBERG; David et al.	
	7	20070143493		2007-06-21	MULLIG; Richard M. et al.	
	8	20070169115		2007-07-19	KO; Steve et al.	
	9	20070180137		2007-08-02	RAJAPAKSE; Ravi	
	10	20070192156		2007-08-16	GAUGER; Derek K.	
	11	20070220150		2007-09-20	GARG; Gopal K.	
	12	20070249295		2007-10-25	UKITA; Yoshitaka et al.	
	13	20070265031		2007-11-15	KOIZUMI; Michiaki et al.	
	14	20070271388		2007-11-22	BOWRA; Todd et al.	
	15	20070299778		2007-12-27	HAVESON; Ryan A. et al.	
	16	20080002836		2008-01-03	MOELLER; Niklas et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	17	20080007649		2008-01-10	BENNETT; James D.	
	18	20080007650		2008-01-10	BENNETT; James D.	
	19	20080007651		2008-01-10	BENNETT; James D.	
	20	20080018785		2008-01-24	BENNETT; James D.	
	21	20080022320		2008-01-24	VER STEEG; William C.	
	22	20080025535		2008-01-31	RAJAPAKSE; Ravi	
	23	20080072816		2008-03-27	RIESS; Walter H. et al.	
	24	20080075295		2008-03-27	MAYMAN; Avrum G. et al.	
	25	20080077619		2008-03-27	GILLEY; Glenn Gregory et al.	
	26	20080077620		2008-03-27	GILLEY; Glenn Gregory et al.	
	27	20080086318		2008-04-10	GILLEY; Glenn Gregory et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	28	20080091771		2008-04-17	ALLEN; Jeffrey L. et al.	
	29	20080109852		2008-05-08	KRETZ; Martin H. et al.	
	30	20080120429		2008-05-22	MILLINGTON; Nicholas A.J et al.	
	31	20080126943		2008-05-29	PARASNIS; Shashank Mohan et al.	
	32	20080144861		2008-06-19	MELANSON; John L. et al.	
	33	20080144864		2008-06-19	HUON; Graeme John [Au] et al.	
	34	20080146289		2008-06-19	KORNELUK; Jose E. et al.	
	35	20080189272		2008-08-07	POWERS; Michael et al.	
	36	20080205070		2008-08-28	OSADA; Yasuo	
	37	20080212786		2008-09-04	PARK; Hae-Kwang	
	38	20080215169		2008-09-04	DEBETTENCOURT; Lisa et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	39	20080263010		2008-10-23	ROYCHOUDHURI; Subrata et al.	
	40	20080273714		2008-11-06	HARTUNG; Klaus	
	41	20080303947		2008-12-11	OHNISHI; Sunao et al.	
	42	20090011798		2009-01-08	YAMADA; Hiroshi	
	43	20090017868		2009-01-15	UEDA; Joji et al.	
	44	20090031336		2009-01-29	CHAVEZ; Timothy R. et al.	
	45	20090060219		2009-03-05	INOHARA; Yuichi	
	46	20090070434		2009-03-12	HIMMELSTEIN; Richard B.	
	47	20090087000		2009-04-02	KO; Sang-Chul	
	48	20090089327		2009-04-02	KALABOUKIS; Chris et al.	
	49	20090100189		2009-04-16	BAHREN; Frank et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	50	20090124289		2009-05-14	NISHIDA; Osamu	
	51	20090157905		2009-06-18	DAVIS; Bradford C.	
	52	20090164655		2009-06-25	PETTERSSON; Mattias et al.	
	53	20090169030		2009-07-02	INOHARA; Yuichi	
	54	20090193345		2009-07-30	WENSLEY; Paul et al.	
	55	20090222115		2009-09-03	MALCOLM; David et al.	
	56	20090228919		2009-09-10	ZOTT; Joseph A. et al.	
	57	20090251604		2009-10-08	IYER; Suraj C.	
	58	20100004983		2010-01-07	DICKERSON; Stephanie et al.	
	59	20100031366		2010-02-04	KNIGHT; Mark Stephen et al.	
	60	20100049835		2010-02-25	KO; Steve et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	61	20100087089		2010-04-08	STRUTHERS; Scott et al.	
	62	20100228740		2010-09-09	CANNISTRARO; Alan et al.	
	63	20100284389		2010-11-11	RAMSAY; Max et al.	
	64	20100299639		2010-11-25	RAMSAY; Max Gordon et al.	
	65	20110001632		2011-01-06	HOHORST; Andrew Gordon	
	66	20110002487		2011-01-06	PANTHER; Heiko et al.	
	67	20110066943		2011-03-17	BRILLON; Francois [Ca] et al.	
	68	20110222701		2011-09-15	DONALDSON; Thomas A. et al.	
	69	20110228944		2011-09-22	CROGHAN; Frank et al.	
	70	20110316768		2011-12-29	MCRAE; Matthew Blake	
	71	20120029671		2012-02-02	MILLINGTON; Nicholas A. J. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	72	20120030366		2012-02-02	COLLART; Todd et al.	
	73	20120051567		2012-03-01	CASTOR-PERRY; Kendall	
	74	20120060046		2012-03-08	MILLINGTON; Nicholas A. J.	
	75	20120129446		2012-05-24	KO; Steve et al.	
	76	20120148075		2012-06-14	GOH; Aik Hee Daniel et al.	
	77	20120185771		2012-07-19	ROTHKOPF; Fletcher R. et al.	
	78	20120192071		2012-07-26	MILLINGTON; Nicholas A. J.	
	79	20120207290		2012-08-16	MOYERS; Josh et al.	
	80	20120237054		2012-09-20	EO; Kil-Su et al.	
	81	20120281058		2012-11-08	LANEY; Alan et al.	
	82	20120290621		2012-11-15	HEITZ, III; Geremy A. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	83	20130013757		2013-01-10	MILLINGTON; Nicholas A. J. [Us] et al.	
	84	20130018960		2013-01-17	KNYSZ; Matthew S. et al.	
	85	20130031475		2013-01-31	MAOR; Yehonatan Rafael et al.	
	86	20130038726		2013-02-14	KIM; Jin-Hyong	
	87	20130041954		2013-02-14	KIM; Laeyoung et al.	
	88	20130047084		2013-02-21	SANDERS; Christopher John et al.	
	89	20130052940		2013-02-28	BRILLHART; David C. et al.	
	90	20130070093		2013-03-21	RIVERA; Ed et al.	
	91	20130080599		2013-03-28	KO; Steve et al.	
	92	20130121492		2013-05-16	VACON; Gary et al.	
	93	20130124664		2013-05-16	FONSECA, Jr.; Benedito J. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	94	20130129122		2013-05-23	JOHNSON; Martin E. et al.	
	95	20130132837		2013-05-23	MEAD; Jonathan Selwyn et al.	
	96	20130159126		2013-06-20	ELKADY; AMR	
	97	20130167029		2013-06-27	FRIESEN; Sharon E. [Us] et al.	
	98	20130174100		2013-07-04	SEYMOUR; Eric T. et al.	
	99	20130174223		2013-07-04	DYKEMAN; KIM R. et al.	
	100	20130179163		2013-07-11	HERBIG; Tobias et al.	
	101	20130191454		2013-07-25	OLIVER; Michael R. et al.	
	102	20130197682		2013-08-01	MILLINGTON; Nicholas A. J.	
	103	20130226323		2013-08-29	MILLINGTON; Nicholas A. J.	
	104	20130230175		2013-09-05	BECH; Soeren et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	105	20130232416		2013-09-05	MILLINGTON; Nicholas A. J.	
	106	20130253934		2013-09-26	PAREKH; Jateen P. et al.	
	107	20130279706		2013-10-24	MARTI; Stefan J. [Us] et al.	
	108	20130287186		2013-10-31	QUADY; Curtis E.	
	109	20130290504		2013-10-31	QUADY; Curtis E.	
	110	20140006483		2014-01-02	GARMARK; Sten [Se] et al.	
	111	20140037097		2014-02-06	LABOSCO; Mark	
	112	20140064501		2014-03-06	OLSEN; Martin et al.	
	113	20140075308		2014-03-13	SANDERS; Christopher John et al.	
	114	20140075311		2014-03-13	BOETTCHER; Jesse William et al.	
	115	20140079242		2014-03-20	NGUYEN; NAM et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	116	20140108929		2014-04-17	GARMARK; Sten et al.	
	117	20140123005		2014-05-01	FORSTALL; Scott J. [Us] et al.	
	118	20140140530		2014-05-22	GOMES-CASSERES; Glenn [Us] et al.	
	119	20140161265		2014-06-12	CHAIKIN; Peter et al.	
	120	20140181569		2014-06-26	MILLINGTON; Nicholas A.J et al.	
	121	20140233755		2014-08-21	KIM; Kwang-Soo et al.	
	122	20140242913		2014-08-28	PANG; Hawk YIN	
	123	20140256260		2014-09-11	UEDA; Joji et al.	
	124	20140267148		2014-09-18	LUNA; Michael Edward Smith [Us] et al.	
	125	20140270202		2014-09-18	IVANOV; Plamen A. et al.	
	126	20140273859		2014-09-18	LUNA; Michael Edward Smith [Us] et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	127	20140279889		2014-09-18	LUNA; Michael Edward Smith [Us] et al.	
	128	20140285313		2014-09-25	LUNA; Michael Edward Smith et al.	
	129	20140286496		2014-09-25	LUNA; Michael Edward Smith et al.	
	130	20140298174		2014-10-02	IKONOMOV; Artashes Valeryevich	
	131	20140323036		2014-10-30	DALEY; Michael J. et al.	
	132	20140344689		2014-11-20	SCOTT; Mark David [Us] et al.	
	133	20140378056		2014-12-25	LIU; Peter T. [Us] et al.	
	134	20150019670		2015-01-15	REDMANN; William Gibbens	
	135	20150026613		2015-01-22	KWON; Yunmi [Kr] et al.	
	136	20150032844		2015-01-29	TARR; Morton et al.	
	137	20150043736		2015-02-12	OLSEN; Martin et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	138	20150049248		2015-02-19	WANG; MIN et al.	
	139	20150074527		2015-03-12	SEVIGNY; Jonathan Christopher [Us] et al.	
	140	20150074528		2015-03-12	SAKALOWSKY; John Michael et al.	
	141	20150098576		2015-04-09	SUNDARESAN; Rameshwar et al.	
	142	20150139210		2015-05-21	MARIN; Janne et al.	
	143	20150256954		2015-09-10	CARLSSON; Gregory Peter [Us] et al.	
	144	20150304288		2015-10-22	BALASAYGUN; Mehmet et al.	
	145	20150365987		2015-12-17	WEEL; Martin	

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

NON-PATENT LITERATURE DOCUMENTS Remove			
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
	1	cd30 Introduces Family of MP3 Players at this year's Consumer Electronics Show. 9-12 January, 2003 Las Vegas Convention Center, 2 pages.	
	2	cd30 Introduces Family of Wireless Network MP3 Players. 9-12 January 2003 Las Vegas Convention Center, 2 pages.	
	3	cd30. Logo page, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	4	cd30 Management, 12 December 2003, 1 page.	
	5	cd30. Management Team, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	6	cd30. Multi-Player Synchronization. 15 January 2004, 4 pages.	
	7	cd30 Network MP3 Player Models, 01 February 2004, 1 page.	
	8	Cd30, Network MP3 Player, Product Manual. Copyright 2003, 65 pages.	
	9	cd30 Network MP3 Player. Product Manual for c100, c200, and c300, 2003, 65 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	10	cd30. Network MP3 Player. Quick Installation Guide, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	11	cd30. Network MP3 Player Quick Installation Guide, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	12	cd30 Network MP3 Player Reviews. 1 February 2004, 2 pages.	
	13	cd30 Network MP3 Player Specifications. 2 February 2004, 2 pages.	
	14	cd30 Network MP3 Players, 18 November 2003, 1 page.	
	15	cd30 Network MP3 Players c100, c200, and c300, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	16	cd30 Network MP3 Players: Stream music from your PC to your stereo, 18 November 2003, 1 page.	
	17	cd30 Network MP3 Players: Stream your MP3s to your stereo! 24 May 2003, 1 page.	
	18	cd30. News, Reviews 21 November 21 2003, 2 pages.	
	19	cd30. Product Manual Availability, 03 October 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	20	cd30. Product Support. 10 May 2006, 17 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	21	cd30 Product Support Forums. Forum Index, 15 April 2003, 1 page.	
	22	cd30 Product Support Forums. Forum Index, 18 June 2003, 1 page.	
	23	cd30 Product Support Forums. Forum Index, 2 February 2004, 1 page.	
	24	cd30. Product Support Forums. Multiple stereos -- multiple cd30s – same music? 3 November 2003, 2 pages.	
	25	cd3o. Management Team, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	26	Cd3o. Network MP3 Player, Product Manual, 2003, 65 pages.	
	27	cd3o. Network MP3 Players. Keep your MP3s on your PC...Listen to them on your stereo. 24 May 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	28	cd3o. Network MP3 Players. Store your music on your PC...Listen to it on your stereo, wirelessly! 18 November 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	29	cd3o Product Support Center, 19 November 2003, 1 page.	
	30	cd3o. Product Support Center. Getting Assistance, 19 November 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	31	cd3o Wireless Music Network Setup, 35 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	32	CEN et al., "A Distributed Real-Time MPEG Video Audio Player," Department of Computer Science and Engineering, Oregon Graduate Institute of Science and Technology, 1995, 12 pages.	
	33	CES: MP3-Player mit Pfiff, 13 January 2003, 4 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	34	CHAKRABARTI et al., "A Remotely Controlled Bluetooth Enabled Environment," IEEE, 2004, pp. 77-81.	
	35	Change Notification: Agere Systems WaveLan Multimode Reference Design (D2 to D3), AVAGO0042, Agere Systems, November 2004, 2 pages.	
	36	Cheshire et al. RFC 3927 - Dynamic Configuration of IPv4 Link-Local Addresses, 2005, 34 pages.	
	37	Cheshire et al. Zero Configuration Networking: The Definitive Guide. December 2005, 288 pages.	
	38	CHINESE OFFICE ACTION, Office Action mailed on 20 December 2016, issued in connection with Chinese Application No. 201380044446.8, 16 pages.	
	39	CHINESE PATENT OFFICE, Office Action mailed on 05 July 2016, issued in connection with Chinese Patent Application No. 201380044380.2, 25 pages.	
	40	CHINESE PATENT OFFICE, Second Office Action mailed on 27 February 2017, issued in connection with Chinese Patent Application No. 201380044380.2, 22 pages.	
	41	Clipsal. Multi Room Audio Amplifier, User's Guide, V1.0, December 2005, 28 pages.	
	42	Clipsal. Multi Room Audio Matrix Switcher, User's Guide, 560884, V1.0, December 2005, 20 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	43	C-Media. CM102-A/102S USB 2CH Audio Controller, Data Sheet. Version 1.4. 21 May 2003, 20 pages.	
	44	C-Media Electronics Inc. CMI8768/8768+ Advanced Driver Software Architecture. User Manual, Revision: 1.0, May 25, 2004, 29 pages.	
	45	C-Media XeaR 3D Sound Solution. CMI8738 4/6-Channel PCI Audio Single Chip. User Manual, Rev. 2.1, May 21, 2002, 44 pages. .	
	46	CNET. Wireless gizmo for PC music hits home, 30 September 2003, 4 pages.	
	47	Compaq et al., Universal Serial Bus Specification, Revision 2.0, 27 April 2000, 650 pages.	
	48	Connected, distributed audio solution for your home by barix and Stand-alone, distributed audio solution for your home by barix. Copyright September 2003. Sourced from Sonos, Inc. v. Lenbrook Industries Limited et al. - Defendants' Answer to Plaintiff's Complaint - Exhibit A filed October 14, 2019, 3 pages.	
	49	Connected Planet. Using PC Link. Streamium PC Link by Philips. Models MC-i200/250, SL300i, SL400i, MX6000i, last modified 5 August 2004, 2 pages. .	
	50	Connection Manager: 1 Service Template Version 1.01 For UPnP, Version 1.0 (June 25, 2002) (25 pages).	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	ContentDirectory:1 Service Template Version 1.01 For UPnP, Version 1.0 (June 25, 2002) (89 pages).	
	2	Corrected Notice of Allowability mailed on 23 December 2016, issued in connection with U.S. Patent Application No. 14/803953 filed on 20 July 2015, 18 pages.	
	3	Corrected Notice of Allowance mailed on 19 August 2015, issued in connection with U.S. Patent Application No. 13/907666, filed on 31 May 2013, 2 pages.	
	4	Creating the Future of Home Entertainment Today. NetStreams Product Catalog 2003/2004, 20 pages. .	
	5	Creative, "Connecting Bluetooth Devices with Creative D200," http://support.creative.com/kb/ShowArticle.aspx?url=http://ask.creative.com:80/SRVS/CGI-BIN/WEBCGI.EXE/,/?St=106,E=0000000000396859016,K=9377,Sxi=8,VARSET=ws:http://us.creative.com,case=63350, available on 11/28/2011, 2 pages.	
	6	Creative Sound Blaster Wireless Music, User's Guide, Version 1.0, August 2003, 61 pages.	
	7	Crest Audio Pro Series 8001 Power Amplifier. V. 2.2 March 25, 1997, 2 pages.	
	8	Creston's Adagio Entertainment System with New AMS Processor Wins Awards at CEDIA, 29 September 2006, 3 pages.	
	9	Crestron Adagio AMS Media System Operations Guide, 2008, 114 pages.	
	10	Crestron. Adagio. Home Entertainment is Just the Beginning...2007, 10 pages.	
	11	Crestron. AVS Forum. 1 December 2007, 9 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Crestron, Industry Awards, Crestron's Spirit of Innovation has Resulted in the Most Award-Winning Products in the Industry, 2006, 6 pages.	
	13	Crestron, Industry Awards, Crestron's Spirit of Innovation has Resulted in the Most Award-Winning Products in the Industry, 2007, 5 pages.	
	14	Crome, Caleb. Logitech Squeezebox Boom Audio Design, 2008, 11 pages.	
	15	Crouch, Cameron. CES showcases Internet everywhere. CNN.com 7 January 2000, 2 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	16	Crown PIP Manual available for sale at least 2004, 68 pages.	
	17	DANNENBERG et al., "A. System Supporting Flexible Distributed Real-Time Music Processing," Proceedings of the 2001 International Computer Music Conference, 2001, 4 pages.	
	18	DANNENBERG, Roger B., "Remote Access to Interactive Media," Proceedings of the SPIE 1785, 1993, pp. 230-237.	
	19	Davies, Chris. Sony Ericsson MS500 Bluetooth Splashproof Speaker. http://www.slashgear.com/sony-ericsson-ms500-bluetooth-splashproof. March 17, 2009, 2 pages. .	
	20	DAY, Rebecca, "Going Elan!" Primedia Inc., 2003, 4 pages.	
	21	Deep-Sleep Implementation in WL60011 for IEEE 802.11b Applications, AVAGO0020, Agere Systems, July 2004, 22 pages.	
	22	Dell, Inc. "Dell Digital Audio Receiver: Reference Guide," June 2000, 70 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Dell, Inc. "Start Here," June 2000, 2 pages.	
	24	"Denon 2003-2004 Product Catalog," Denon, 2003-2004, 44 pages.	
	25	Denon AV Surround Receiver AVR-1604/684 User's Manual, 2004, 128 pages.	
	26	Denon AV Surround Receiver AVR-5800 Operating Instructions, Copyright 2000, 67 pages.	
	27	Denon AVR-3805 A/V Surround Receiver. Datasheet, last modified 1 March 2004, 2 pages. .	
	28	Designing a UPnP AV MediaServer, Nelson Kidd (2003) (SONDM000115062-116) (55 pages).	
	29	DHIR, Amit, "Wireless Home Networks - DECT, Bluetooth, Home RF, and Wirelss LANs," XILINX, wp135 (v1.0), March 21, 2001, 18 pages.	
	30	Dierks et al. RFC 2246 The TLS Protocol, January 1999, 80 pages.	
	31	Digigram. EtherSound ES8in/8out Ethernet Audio Bridges. Easy and Cost-Effective Audio Distribution, November 2002, 4 pages.	
	32	D-Link. User's Manual, Wireless HD Media Player, Version 1.1, DSM-520, 28 September 2005, 127 pages.	
	33	DLNA. Overview and Vision, White Paper, June 2004, 16 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	DLNA. Use Case Scenarios, White Paper, June 2004, 15 pages. .	
	35	"DP-0206 Digital Signal Processor," TOA Electronics, Inc., 2001, pp. 1-12.	
	36	DP-0206 TOA Digital Signal Processor. TOA Corporation, 2001, 4 pages. .	
	37	Duo Soundolier. Sound & Light : Wireless Speaker Torchiere. Soundolier Integrated Wireless Technologies, 2006, 3 pages.	
	38	ECMA. Near Field Communication – White Paper, Ecma/TC32-TG19/2004/1, 9 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	39	ECMA. Near Field Communication, ECMA/TC32-TG19, October 2002, 15 pages.	
	40	ECMA. Standard ECMA-340, Near Field Communication – Interface and Protocol NFCIP-1, December 2002, 66 pages.	
	41	Ecma. What is Ecma? 2 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	42	Epson. EpsonNet 802.11B, Convenient Printing Using Wireless Technology, 2002, 2 pages.	
	43	Epson. EpsonNet 802.11b, User's Guide, 2002, 68 pages.	
	44	Epson Product Support Bulletin. PSB # PSB.2003.05.005, EpsonNet 802.11b Wireless Print Server, 30 April 2003, 30 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Epson Product Support Bulletin. PSB # PSB.2003.05.007, EpsonNet 802.11b Wireless Print Server, 23 April 2003, 10 pages.	
	46	Epson Stylus C80WN. Quick Start, 2002, 2 pages.	
	47	Epson Stylus C80WN. Setup and Installation, November 2001, 67 pages.	
	48	EUROPEAN PATENT OFFICE, European Extended Search Report mailed 07 March 2016, issued in connection with EP Application No. 13810340.3, 9 pages.	
	49	EUROPEAN PATENT OFFICE, European Extended Search Report mailed on 28 February 2014, issued in connection with EP Application No. 13184747.7, 8 pages.	
	50	EUROPEAN PATENT OFFICE, European Extended Search Report mailed on 31 March 2015, issued in connection with EP Application No. 14181454.1, 9 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	EUROPEAN PATENT OFFICE, Examination Report mailed on 22 March 2016, issued in connection with European Patent Application No. EP14181454.1, 6 pages.	
	2	EUROPEAN PATENT OFFICE, Examination Report mailed on 24 October 2016, issued in connection with European Patent Application No. 13808623.6, 4 pages.	
	3	EUROPEAN PATENT OFFICE, Office Action mailed 25 November 2016, issued in connection with EP Application No. 13810340.3, 5 pages.	
	4	Exstreamer - The Exstreamer Instruction Manual Version 1.5. Barix Think Further. Sourced from Sonos, Inc. v. Lenbrook Industries Limited et al., Defendants' Answer to Plaintiff's Complaint - Exhibit E, filed October 14, 2019, 21 pages.	
	5	Exstreamer - The Exstreamer Technical Description Version 1.5. Barix Think Further. Sourced from Sonos, Inc. v. Lenbrook Industries Limited et al., Defendants' Answer to Plaintiff's Complaint - Exhibit D, filed October 14, 2019, 36 pages .	
	6	Exstreamer. Network MP3 player for digital audio streaming in a consumer, home installation and commercial applications. Barix Think Further. September 2002, 2 pages. .	
	7	Exstreamer. The Exstreamer Instruction Manual. Barix Think Further. Version 1.5 , October 2002, 21 pages. .	
	8	Exstreamer. The Exstreamer Technical Description: Version 1.5. Barix Think Further. October 2002, 36 pages. .	
	9	External Photo. Yamaha Corporation FCC ID: A6RMCX1000A, 2 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	10	Extron System Integrator Speakers. System Integrator Speaker Series. ExtroNews. Issue 16.2, Winter 2005, 32 pages. .	
	11	EZ-Stream 11 Mbps Wireless Audio Adapter. Model Number SMCWAA-B. Home Entertainment Networking, 2 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	FALCONE, John, "Sonos BU150 Digital Music System review," CNET, CNET [online] 2009.07.27 [retrieved on 2016.03.16], 11 pages Retrieved from the Internet: URL:http://www.cnet.com/products/sonos-bu150-digital-music-system/.	
	13	FALLER, Christof, "Coding of Spatial Audio Compatible with Different Playback Formats," Audio Engineering Society Convention Paper (Presented at the 117th Convention), October 28-31, 2004, 12 pages.	
	14	Federal Communications Commission, Declaration of Conformity, Wireless Audio Adapter, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	15	Federal Communications Commission. OET Exhibits List, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	16	Fielding et al. RFC 2616 Hypertext Transfer Protocol – HTTP/1.1, June 1999, 114 pages.	
	17	File History of Re-Examination Application No. 90/013,423 (Sonos Ref. No. 12-0902-REX) retrieved from the U.S. Patent Office (PAIR) on December 5, 2016, 313 pages.	
	18	Final Office Action mailed 05 June 2014, issued in connection with U.S. Patent Application No. 13/907666, filed on 31 May 2013, 12 pages.	
	19	Final Office Action mailed 13 July 2009, issued in connection with U.S. Patent Application No. 10/816217, filed on 01 April 2004, 16 pages.	
	20	Final Office Action mailed 13 September 2012, issued in connection with U.S. Patent Application No. 13/297000, filed on 15 November 2011, 17 pages.	
	21	Final Office Action mailed 18 November 2015, issued in connection with U.S. Patent Application No. 13/533105, filed on 26 June 2012, 56 pages.	
	22	Final Office Action mailed 21 October 2011, issued in connection with U.S. Patent Application No. 10/816217, filed on 01 April 2004, 19 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Final Office Action mailed 27 March 2014, issued in connection with U.S. Patent Application No. 13/533105, filed on 26 June 2012, 29 pages.	
	24	Final Office Action mailed 28 January 2011, issued in connection with U.S. Patent Application No. 10/816217, filed on 01 April 2004, 21 pages.	
	25	Final Office Action mailed 30 June 2008, issued in connection with U.S. Patent Application No. 10/816217, filed on 01 April 2004, 30 pages.	
	26	Final Office Action mailed on 02 June 2017, issued in connection with U.S. Patent Application No. 13/848932, filed on 22 March 2013, 32 pages.	
	27	Final Office Action mailed on 03 August 2015, issued in connection with U.S. Patent Application No. 13/848921, filed on 22 March 2013, 13 pages.	
	28	Final Office Action mailed on 03 December 2014, issued in connection with U.S. Patent Application No. 14/184528, filed on 19 February 2014, 12 pages.	
	29	Final Office Action mailed on 03 July 2012, issued in connection with U.S. Patent Application No. 13/298090, filed on 16 November 2011, 46 pages.	
	30	Final Office Action mailed on 03 June 2016, issued in connection with U.S. Patent Application No. 13/705176, filed on 05 December 2012, 24 pages.	
	31	Final Office Action mailed on 03 March 2015, issued in connection with U.S. Patent Application No. 13/864251, filed on 17 April 2013, 13 pages.	
	32	Final Office Action mailed on 04 March 2015, issued in connection with U.S. Patent Application No. 13/848904, filed on 22 March 2013, 16 pages.	
	33	Final Office Action mailed on 05 July 2013, issued in connection with U.S. Patent Application No. 13/618829, filed on 14 September 2012, 22 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Final Office Action mailed on 05 March 2015, issued in connection with U.S. Patent Application No. 13/888203, filed on 06 May 2013, 13 pages.	
	35	Final Office Action mailed on 07 January 2015, issued in connection with U.S. Patent Application Serial No. 13/848932, filed on 22 March 2013, 14 pages.	
	36	Final Office Action mailed on 08 March 2017, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 39 pages.	
	37	Final Office Action mailed on 09 March 2015, issued in connection with U.S. Patent Application No. 14/516867, filed on 17 October 2014, 14 pages.	
	38	Final Office Action mailed on 10 April 2017, issued in connection with U.S. Patent Application No. 15/243355, filed on 22 August 2016, 15 pages.	
	39	Final Office Action mailed on 10 August 2015, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 26 pages.	
	40	Final Office Action mailed on 11 August 2015, issued in connection with U.S. Patent Application No. 13/864247, filed on 17 April 2013, 15 pages.	
	41	Final Office Action mailed on 11 February 2015, issued in connection with U.S. Patent Application No. 14/184526, filed on 19 February 2014, 13 pages.	
	42	Final Office Action mailed on 11 February 2015, issued in connection with U.S. Patent Application No. 14/184,935, filed on 20 February 2014, 17 pages.	
	43	Final Office Action mailed on 11 July 2017, issued in connection with U.S. Patent Application No. 15/243186, filed on 22 August 2016, 13 pages.	
	44	Final Office Action mailed on 12 February 2015, issued in connection with U.S. Patent Application No. 14/184522, filed on 19 February 2014, 20 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Final Office Action mailed on 12 January 2017, issued in connection with U.S. Patent Application No. 14/504812, filed on 02 October 2014, 25 pages.	
	46	Final Office Action mailed on 13 December 2016, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 41 pages.	
	47	Final Office Action mailed on 13 October 2011, issued in connection with U.S. Patent Application No. 12/035112, filed on 21 February 2008, 10 pages.	
	48	Final Office Action mailed on 14 August 2009, issued in connection with U.S. Patent Application No. 11/147116, filed 06 June 2005, 28 pages.	
	49	Final Office Action mailed on 15 July, 2015, issued in connection with U.S. Patent Application No. 14/504812, filed on 02 October 2014, 18 pages.	
	50	Final Office Action mailed on 15 June 2015, issued in connection with U.S. Patent Application No. 14/184522, filed on 19 February 2014, 25 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Final Office Action mailed on 15 June 2017, issued in connection with U.S. Patent Application No. 15/228639, filed on 04 August 2016, 16 pages.	
	2	Final Office Action mailed on 15 May 2017, issued in connection with U.S. Patent Application No. 13/864252, filed on 17 April 2013, 13 pages.	
	3	Final Office Action mailed on 16 March 2011, issued in connection with U.S. Patent Application No. 11/147116, filed 06 June 2005, 40 pages.	
	4	Final Office Action mailed on 16 May 2017, issued in connection with U.S. Patent Application No. 13/864249, filed on 17 April 2013, 14 pages.	
	5	Final Office Action mailed on 16 May 2017, issued in connection with U.S. Patent Application No. 13/864250, filed on 17 April 2013, 12 pages.	
	6	Final Office Action mailed on 17 December 2014, issued in connection with U.S. Patent Application No. 13/533105, filed on 26 June 2012, 36 pages.	
	7	Final Office Action mailed on 19 October 2016, issued in connection with U.S. Patent Application No. 13/848921, filed on 22 March 2013, 14 pages.	
	8	Final Office Action mailed on 20 April 2017, issued in connection with U.S. Patent Application No. 13/864248, filed on 17 April 2013, 14 pages.	
	9	Final Office Action mailed on 21 January 2010, issued in connection with U.S. Patent Application No. 11/906702, filed on 02 October 2007, 27 pages.	
	10	Final Office Action mailed on 22 October 2014, issued in connection with U.S. Patent Application No. 14/186850, filed on 21 February 2014, 12 pages.	
	11	Final Office Action mailed on 23 October 2014, issued in conection with U.S. Patent Application No. 13/705176, filed on 05 December 2012, 23 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Final Office Action mailed on 24 December 2009, issued in connection with U.S. Patent Application No. 11/147116, filed on 06 June 2005, 29 pages.	
	13	Final Office Action mailed on 24 February 2016, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 28 pages.	
	14	Final Office Action mailed on 25 May 2016, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 33 pages.	
	15	Final Office Action mailed on 28 April 2015, issued in connection with U.S. Patent Application No. 14/186850, filed on 21 February 2014, 20 pages.	
	16	Final Office Action mailed on 28 June 2017, issued in connection with U.S. Patent Application No. 14/808875, filed on 24 July 2015, 14 pages.	
	17	Final Office Action mailed on 30 November 2015, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 26 pages.	
	18	Final Office Action mailed on 31 December 2015, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 34 pages.	
	19	Final Office Action mailed on 4 February 2019, issued in connection with U.S. Patent Application No. 15/091113, filed on 5 April 2016, 23 pages.	
	20	FireBall Digital Music Manager E-40 and E-120. Meet FireBall. The Industry's choice for managing your entire music collection. Datasheet. 2003, 2 pages.	
	21	Fireball DVD and Music Manager DVDM-100 Installation and User's Guide, Copyright 2003, 185 pages.	
	22	Fireball E2 User's Manual. Escient. Gracenote cddb. 2000-2004, 106 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Fireball MP-200 User's Manual, Copyright 2006, 93 pages.	
	24	Fireball Remote Control Guide WD006-1-1, Copyright 2003, 19 pages.	
	25	Fireball SE-D1 User's Manual, Copyright 2005, 90 pages.	
	26	First Action Interview Office Action Summary mailed on 15 April 2015, issued in connection with U.S. Patent Application No. 14/505027, filed on 02 October 2014, 6 pages.	
	27	First Action Pre-Interview Office Action mailed on 22 June 2017, issued in connection with U.S. Patent Application No. 14/516883, filed on 17 October 2014, 4 pages.	
	28	First Action Pre-Interview Office Action mailed on 22 June 2017, issued in connection with U.S. Patent Application No. 14/516883, filed on 17 October 2014, 5 pages.	
	29	First Office Action Interview mailed on 30 August 2017, issued in connection with U.S. Patent Application No. 14/516,883, filed on 17 October 2014, 5 pages.	
	30	FOBER et al., "Clock Skew Compensation over a High Latency Network," Proceedings of the ICMC, 2002, pp. 548-552.	
	31	FOUT, Tom, "Universal Plug and Play (UPnP) Client Support," Microsoft, August 2001, 18 pages.	
	32	Fried, John J. NewsRoom, Convergence melds personal computer, TV and stereo, 20 February 2003, 4 pages.	
	33	Fried, John J. Test Drive: Convergence melds personal computer, TV and stereo. Philadelphia Inquirer. 20 February 2003, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Fried, John J. Wireless solution for stereo sound, NewsRoom. 7 August 2003, 3 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	35	Fries et al. "The MP3 and Internet Audio Handbook: Your Guide to the Digital Music Revolution." 2000, 320 pages.	
	36	Frodigh, Magnus. Wireless ad hoc networking - The art of networking without a network, Ericsson Review No. 4, 2000, 16 pages.	
	37	FULTON et al., "The Network Audio System: Make Your Application Sing (As Well As Dance)!" The X Resource, 1994, 14 pages.	
	38	GASTON et al., "Methods for Sharing Stereo and Multichannel Recordings Among Planetariums," Audio Engineering Society Convention Paper 7474, 2008, 15 pages.	
	39	Gateway SOLO 5300 USER MANUAL, 305 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	40	General Event Notification Architecture Base: Client to Arbiter (April 2000) (23 pages).	
	41	Getting to know Logitech Squeezebox Touch Wi-Fi Music Player. Features Guide, 2010, 36 pages.	
	42	Godber et al. Secure Wireless Gateway. RightsLink. Arizona State University, pages 41- 46 [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	43	Golem, WLAN-MP3-Player zum Anschluss an die Stereoanlage, 1 June 2003, 2 pages.	
	44	Google's Answer to Complaint and Counterclaims filed with United States District Court Central District of California, Western Division on 2 March 2020, 50 pages. .	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Google's Counterclaims to Sonos's Complaint filed with United States District Court Central District of California, Western Division on 11 March 2020, 13 pages. .	
	46	Guttman, Erik. An API for the Zeroconf Multicast Address Allocation Protocol, 6 June 2001, 11 pages.	
	47	Guttman, Erik. Autoconfiguration for IP Networking: Enabling Local Communication, June 2001, 6 pages.	
	48	Guttman, Erik. Network Working Group, Zeroconf Host Profile Applicability Statement, Internet-Draft, 20 July 2001, 9 pages. .	
	49	HANS et al., "Interacting with Audio Streams for Entertainment and Communication," Proceedings of the Eleventh ACM International Conference on Multimedia, ACM, 2003, 7 pages.	
	50	Hawn, Andrew. TechTV, First Look: cd3o c300, 2004, 2 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	HERRE et al., "The Reference Model Architecture for MPEG Spatial Audio Coding," Audio Engineering Society Convention Paper (Presented at the 118th Convention), May 28-31, 2005, 13 pages.	
	2	High Fidelity. New Wave in Speaker Design. October 1980, 130 pages.	
	3	Home Networking with Universal Plug and Play, IEEE Communications Magazine, Vol. 39 No. 12 (December 2001) (D +M_0402025-40) (16 pages).	
	4	'Home Theater Control Systems," Cinema Source, 2002, 19 pages.	
	5	Home THX Audio System Room Equalization Manual Rev. 1.5, Lucafilm. Copyright 1995, 24 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	6	HomePod - Wireless Network Digital Music Player with FM Tuner, User Manual, 2003, 16 pages.	
	7	HomePod MP-100, Wireless Network Music Player, with USB Jukebox, Internet Radio, and FM Tuner, Specification, 2003, 2 pages.	
	8	HomePod. User Manual, Wireless Network Digital Audio Player with FM Tuner, 2003, 49 pages.	
	9	HORWITZ, Jeremy, "Logic3 i-Station25," retrieved from the internet: http://www.ilounge.com/index.php/reviews/entry/ logic3-i-station25/, last visited December 17, 2013, 5 pages.	
	10	How cd30 Network MP3 Players Work, 2 February 2004, 3 pages.	
	11	Howe et al. A Methodological Critique of Local Room Equalization Techniques, 5 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	HP Deskjet 5850 User Guide, copyright 2003, 217 pages.	
	13	HUANG C.M., et al., "A Synchronization Infrastructure for Multicast Multimedia at the Presentation Layer," IEEE Transactions on Consumer Electronics, 1997, pp. 370-380, Vol. 43, No. 3.	
	14	IBM Home Director Installation and Service Manual, Copyright1998, 124 pages.	
	15	IBM Home Director Owner's Manual, Copyright 1999, 67 pages.	
	16	IEEE Standards 802.3. Part 3: Carrier sense multiple access with collision detection CSMA/CD access method and physical layer specifications, 8 March 2002, 1562 pages.	
	17	ILIVE. User's Guide IS809B Wireless Speaker System, Copyright 2010, 12 pages.	
	18	Implicit, LLC v. Sonos, Inc. (No. 14-1330-RGA), Defendant's Original Complaint (Mar. 3, 2017) (15 pages).	
	19	Integra Audio Network Receiver NAC 2.3 Instruction Manual, 68 pages.	
	20	Integra Audio Network Server NAS 2.3 Instruction Manual, pp. 1-32.	
	21	Integra Service Manual, Audio Network Receiver Model NAC-2.3, December 2002, 44 pages.	
	22	Intel Announces WS-Discovery Spec for Joining Devices and Web Services, Intel Developer Forum Spring 2004, 17 February 2004, 4 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Intel Designing a UPnP AV Media Renderer, v. 1.0 ("Intel AV Media Renderer") (May 20, 2003) (SONDM000115117-62) (46 pages).	
	24	Intel Media Renderer Device Interface ("Intel Media Renderer") (September 6, 2002) (62 pages).	
	25	Intel SDK for UPnP Devices Programming Guide, Version 1.2.1, (November 2002) (30 pages).	
	26	Intel Sees Unified Platform and Ecosystem as Key to Enabling the Digital Home, Intel Developer Forum, 17 February 2004, 4 pages.	
	27	Intel Tools Validate First Solutions that Enable Devices to Work Together in the Digital Home, Intel Developer Forum, 17 February 2004, 2 pages.	
	28	Intel. User's Manual, An Intel Socket 478 Processor Based Mainboard. 27 March 2003, 96 pages.	
	29	INTERNATIONAL BUREAU, International Preliminary Report on Patentability mailed on 08 January 2015, issued in connection with International Application No. PCT/US2013/046372, filed on 18 June 2013, 6 pages.	
	30	INTERNATIONAL BUREAU, International Preliminary Report on Patentability, mailed on 08 January 2015, issued in connection with International Application No. PCT/US2013/046386, filed on 18 June 2013, 8 pages.	
	31	INTERNATIONAL BUREAU, International Preliminary Report on Patentability mailed on 30 January 2014, issued in connection with International Application No. PCT/US2012/045894, filed on 09 July 2012, 6 pages.	
	32	INTERNATIONAL SEARCHING AUTHORITY, International Search Report mailed on 01 August 2008, in connection with International Application No. PCT/US2004/023102, 5 pages.	
	33	INTERNATIONAL SEARCHING AUTHORITY, International Search Report mailed on 26 August 2013, issued in connection with International Application No. PCT/US2013/046372, filed on 18 June 2013, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	INTERNATIONAL SEARCHING AUTHORITY, International Search Report mailed on 26 December 2012, issued in connection with International Application No. PCT/US2012/045894, filed on 09 July 2012, 3 pages.	
	35	INTERNATIONAL SEARCHING AUTHORITY, International Search Report mailed on 30 September 2013, issued in connection with International Application No. PCT/US2013/046386, filed on 18 June 2013, 3 pages.	
	36	INTERNATIONAL SEARCHING AUTHORITY, Written Opinion mailed on 26 August 2013, issued in connection with International Application No. PCT/US2013/046372, filed on 18 June 2013, 4 pages.	
	37	INTERNATIONAL SEARCHING AUTHORITY, Written Opinion mailed on 26 December 2012, issued in connection with International Application No. PCT/US2012/045894, filed on 09 July 2012, 4 pages.	
	38	INTERNATIONAL SEARCHING AUTHORITY, Written Opinion mailed on 30 September 2013, issued in connection with International Application No. PCT/US2013/046386, filed on 18 June 2013, 6 pages.	
	39	Introducing ROOMLINK Network Media Receiver - PCNA-MR10, Sony Vaio, 2003, 2 pages.	
	40	IPR Details - Apple Computer's Statement About IPR Claimed in draft-ietf-zeroconf-ipv4- linklocal, 26 April 2004, 3 pages.	
	41	ISHIBASHI et al., "A Comparison of Media Synchronization Quality Among Reactive Control Schemes," IEEE Infocom, 2001, pp. 77-84.	
	42	ISHIBASHI et al., "A Group Synchronization Mechanism for Live Media in Multicast Communications," IEEE Global Telecommunications Conference, 1997, pp. 746-752, Vol. 2.	
	43	ISHIBASHI et al., "A Group Synchronization Mechanism for Stored Media in Multicast Communications," IEEE Information Revolution and Communications, 1997, pp. 692-700, Vol. 2.	
	44	Issues with Mixed IEEE 802.b/802.11g Networks, AVAGO0058, Agere Systems, February 2004, 5 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	JAPANESE PATENT OFFICE, Decision of Rejection mailed on 08 July 2014, issued in connection with Japanese Patent Application No. 2012-178711, 3 pages.	
	46	JAPANESE PATENT OFFICE, Final Office Action mailed on 08 November 2016, issued in connection with Japanese Patent Application No. 2015-520286, 5 pages.	
	47	JAPANESE PATENT OFFICE, Notice of Rejection, mailed on 03 February 2015, issued in connection with Japanese Patent Application No. 2014-521648, 7 pages.	
	48	JAPANESE PATENT OFFICE, Notice of Rejection mailed on 15 September 2015, issued in connection with Japanese Patent Application No. 2014-220704, 7 pages.	
	49	JAPANESE PATENT OFFICE, Office Action mailed on 22 November 2016, issued in connection with Japanese Application No. 2015-520288, 6 pages.	
	50	JAPANESE PATENT OFFICE, Office Action mailed on 24 May 2016, issued in connection with Japanese Patent Application No. 2014-220704, 7 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	JAPANESE PATENT OFFICE, Office Action mailed on 29 March 2016, issued in connection with Japanese Patent Application No. JP2015-520288, 12 pages.	
	2	JAPANESE PATENT OFFICE, Office Action mailed on 29 November 2016, issued in connection with Japanese Application No. 2015-516169, 4 pages.	
	3	JAPANESE PATENT OFFICE, Office Action Summary mailed on 02 February 2016, issued in connection with Japanese Patent Application No. 2015-520286, 6 pages.	
	4	JAPANESE PATENT OFFICE, Office Action Summary mailed on 19 November 2013, issued in connection with Japanese Patent Application No. 2012-178711, 5 pages.	
	5	JO et al., "Synchronized One-to-many Media Streaming with Adaptive Playout Control," Proceedings of SPIE, 2002, pp. 71-82, Vol. 4861.	
	6	Johnson, Ian. SMC EZ-Stream Universal Wireless Multimedia Receiver - The Globe and Mail, 3 December 2003, 6 pages.	
	7	JONES, Stephen, "Dell Digital Audio Receiver: Digital upgrade for your analog stereo," Analog Stereo, 24 June 2000 http://www.reviewsonline.com/articles/961906864.htm retrieved 18 June 2014, 2 pages.	
	8	Kostiainen, K., Intuitive Security Initiation Using Location-Limited Channels. Helsinki University of Technology, Master's Thesis 14 April 2004, 86 pages.	
	9	KOU et al., "RenderingControl:1 Service Template Verion 1.01," Contributing Members of the UPnP Forum, June 25, 2002, 63 pages.	
	10	Kraemer, Alan. Two Speakers Are Better Than 5.1 - IEEE Spectrum, 1 May 2001, 6 pages.	
	11	LA Audio ZX135E 6 Zone Expander. Pro Audio Design Pro. Inc. https://www.proaudiodesign.com/products/la-audio-zx135e-6-zone-expander, accessed March 26, 2020, 6 pages. .	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Lake Processors: Lake® LM Series Digital Audio Processors Operation Manual, 2011, 71 pages.	
	13	LEVERGOOD et al., "AudioFile: A Network-Transparent System for Distributed Audio Applications," Digital Equipment Corporation, 1993, 109 pages.	
	14	LG: RJP-201M Remote Jack Pack Installation and Setup Guide, 2010, 24 pages.	
	15	LIENHART et al., "On the Importance of Exact Synchronization for Distributed Audio Signal Processing," Session L: Poster Session II - ICASSP'03 Papers, 2002, 1 page.	
	16	Linksys 2.4GHz Wireless-B - User Guide Media Link for Music Model WML11B/WMLS11B, 68 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	17	Linksys 2.4GHz Wireless-B - User Guide V2 Model WMA11B, 68 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	18	LinkSys by Cisco, Wireless Home Audio Controller, Wireless-N Touchscreen Remote DMRW1000 Datasheet, Copyright 2008, 2 pages.	
	19	LinkSys by Cisco, Wireless Home Audio Controller, Wireless-N Touchscreen Remote DMRW1000 User Guide, Copyright 2008, 64 pages.	
	20	LinkSys by Cisco, Wireless Home Audio Player, Wireless-N Music Extender DMP100 Quick Installation Guide, Copyright 2009, 32 pages.	
	21	LinkSys by Cisco, Wireless Home Audio Player, Wireless-N Music Extender DMP100 User Guide, Copyright 2008, 65 pages.	
	22	Linksys. Quick Installation for Windows XP ONLY. Wireless-B Media Adapter, 2 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Linksys. Wireless Adapters, 2003, 2 pages.	
	24	Linksys Wireless Music Network Setup, 76 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	25	Linksys. Wireless PrintServer, User Guide, Model No.: WPS11 Version 3, 2002, 31 pages.	
	26	Linksys Wireless-B Media Adapter - User Guide V1 Model WMA11B, 2003, 32 pages.	
	27	Linksys. Wireless-B Media Adapter, Product Data, Model No.: WMA11B, 2003, 2 pages.	
	28	Linksys. Wireless-B Media Adapter, WMA11B, 2003, 2 pages.	
	29	Linux SDK for UPnP Devices v. 1.2 (Sep. 6, 2002) (101 pages).	
	30	"Linux SDK for UPnP Devices vl.2," Intel Corporation, January 17, 2003, 102 pages.	
	31	LIU et al., "A synchronization control scheme for real-time streaming multimedia applications," Packet Video, 2003, 10 pages, Vol. 2003.	
	32	LIU et al., "Adaptive Delay Concealment for Internet Voice Applications with Packet-Based Time-Scale Modification," Information Technologies 2000, pp. 91-102.	
	33	Ljungstrand et al. UBICOMP 2002, Adjunct Proceedings, Fourth International Conference on Ubiquitous Computing, 2002, 90 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Logitech Slimserver. Server for Logitech Squeezebox Players. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	35	Logitech/slimserver. Github. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	36	Logitech/Slimserver. Github. Version 2.3 Release. 19 May 2002. 2 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	37	LOUDERBACK, Jim, "Affordable Audio Receiver Furnishes Homes With MP3," TechTV Vault. 28 June 2000 retrieved 10 July 2014, 2 pages.	
	38	Malik, Om. Wi-Fi Goes Hi-Fi. MIT Technology Review, 18 April 2003, 8 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	39	Maniactools, "Identify Duplicate Files by Sound," 09/28/2010, http://www.maniactools.com/soft/music-duplicate-remover/identify-duplicate-files-by-sound.shtml.	
	40	Marchetti, Nino. EdgeReview, CES 2003 Home Network Entertainment, 28 January 2003, 2 pages.	
	41	McGlaun, Shane. Best Buy unveils new Rocketboost RF-RBKIT whole home audio solution and more. 22 October 2009, 7 pages.	
	42	MediaLounge Entertainment Network D-Link DSM-320 Wireless Media Player Manual v 1.0, 59 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	43	MediaRenderer:1 Device Template Version 1.01 For UPnP, Version 1.0 (June 25, 2002) (12 pages).	
	44	MediaServer:1 Device Template Version 1.01 For UPnP, Version 1.0 (June 25, 2002) (12 pages).	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Microsoft, Universal Plug and Play (UPnP) Client Support ("Microsoft UPnP") (August 2001) (D+M_0402007-24) (18 pages).	
	46	Microsoft Window's XP Reviewer's Guide (August 2001) (D+M_0402225-85) (61 pages).	
	47	"Microsoft Windows XP File and Printer Share with Microsoft Windows" Microsoft Windows XP Technical Article, 2003, 65 pages.	
	48	Microsoft Windows XP Student Edition Complete. University of Salford. Custom Guide Learn on Demand, 2004, 369 pages.	
	49	Micro-Star International. 865PE Neo2. MS-6728 v1.X ATX Mainboard. Version 1.1. April 2003, 118 pages.	
	50	Miller II, Stanley. Technology gets simpler and smarter. JSOnline Milwaukee Journal Sentinel, 13 January 2003, 3 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	MILLS David L., "Network Time Protocol (Version 3) Specification, Implementation and Analysis," Network Working Group, March 1992, 7 pages.	
	2	MILLS, David L., "Precision Synchronization of Computer Network Clocks," ACM SIGCOMM Computer Communication Review, 1994, pp. 28-43, Vol. 24, No. 2.	
	3	"Model MRC44 Four Zone - Four Source Audio/Video Controller/Amplifier System," Xantech Corporation, 2002, 52 pages.	
	4	Model MRC88 Eight Zone - Eight Source Audio/Video Controller/Amplifier System," Xantech Corporation, 2003, 102 pages.	
	5	Moses, B., Home Networking Using IEEE 1394 in Combination with Other Networking Technologies. Audio Delivery. The Changing Home Experience -AES 17 UK Conference 2002, 16 pages.	
	6	MOTOROLA, "Simplefi, Wireless Digital Audio Receiver, Installation and User Guide," December 31, 2001, 111 pages.	
	7	"SMPTE Made Simple: A Time Code Tutor by Timeline," 1996, 46 pages.	
	8	Muherim et al. On the Performance of Clock Synchronization Algorithms for a Distributed Commodity Audio System. Audio Engineering Society Convention Paper presented at 114th Convention 22-25 March 2003, 12 pages.	
	9	Multi-Easy/Multi-Sound. C-Media Xear 3D Sound Solution for USB Multi-Channel. User Manual, Revision: 1.0, January 2004, 29 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	10	Multi-Zone Control Systems. ZR-8630AV MultiZone Receiver. Niles. http://www.ampersandcom.com/zr8630av.html accessed March 26, 2020, 5 pages.	
	11	Murph, Darren. Rocketfish Wireless Whole Home Audio System Cuts the Cord on All Your Speakers. Engadget. 23 October 2009, 9 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Musica 5000 Series. Multi-Room Audio System, NetStreams, 2005, 7 pages.	
	13	Musica MU4602. Audio Distribution System. Data Sheet, 2004, 2 pages.	
	14	Musica MUR2E Network Interface. NetStreams Creating the future of home entertainment - today, 2004, 2 pages.	
	15	Musica MUR2EM Network Interface. NetStreams The IP Based Distributed Entertainment Company, 2005, 2 pages.	
	16	MusicCAST. Interactive Wireless. Home Music Network System, 6 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	17	MusicCAST System – About the Quick Manual, 1999, 7 pages.	
	18	Musicmatch. Jukebox Basic. Setup, 7 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	19	NETGEAR. User's Manual for the MP101 Digital Music Player, Version 1.2, May 2004, 48 pages.	
	20	NetStreams. Musica MU4602 Audio Distribution System. Data Sheet. Copyright 2004, 2 pages.	
	21	NetStreams Musica MU5066. Multi-Room Audio System. Installation and User's Guide, 2005, 44 pages. .	
	22	NetStreams Musica. NS-MU4602 Audio Distribution System, Integration & Design Guide. The IP-Based Audio Distribution Company, 2004, 22 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	NetStreams. Panorama PAN6400 Multi-Room Video & Control System Installation Guide, 1 January 2006, 64 pages.	
	24	NetStreams Product Catalog 2003-2004. Creating the Future of Home Entertainment Today 20 pages.	
	25	Network Time Protocol (NTP), RFC 1305 (Mar. 1992) (D+M_0397417-536) (120 pages).	
	26	Network Working Group. Zeroconf Multicast Address Allocation Protocol, Internet-Draft, 22 October 2002, 14 pages.	
	27	NewRoom. Sirius, XM Companies Flood Cedia with New Products, 15 September 2003, 2 pages.	
	28	NewRoom. SMC Ships New EZ-Stream Universal 80211ag Wireless Router, 14 January 2004, 3 pages.	
	29	NewsRoom. AP DataStream, Wall Street Journal Digest, 15 January 2004, 3 pages.	
	30	NewsRoom. AP Online, AP Technology NewsBrief. 26 December 2003, 2 pages.	
	31	NewsRoom. AP Online, AP Technology NewsBrief. 27 December 2003, 2 pages.	
	32	NewsRoom. Belleville News Democrat, TUNES, PICTURES FROM COMPUTER CAN BE SENT TO YOUR TV, STEREO, 27 December 2003, 2 pages.	
	33	NewsRoom. BridgeCo Successfully Concludes Second Financing Round of US $13.3 Million, Business Wire, 9 January 2003, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	NewsRoom. Business Line, Cisco arm rolls out products for SOHO. 5 November 2003, 2 pages.	
	35	NewsRoom. Business Wire, BridgeCo Adds Wireless Connectivity and Enhances Surround Sound Processing for New Generation Speakers. 5 May 2003, 3 pages.	
	36	NewsRoom. Business Wire, BridgeCo Launches Entertainment Network Adapter at CES2003, 9 January 2003, 3 pages.	
	37	NewsRoom. Business Wire, BridgeCo Launches Entertainment Network Adapter for Pro Audio at NAMM Show, 16 January 2003, 3 pages.	
	38	NewsRoom. Business Wire, BridgeCo Opens USA Business Development HQ in Silicon Valley and Expands Management Team, 15 March 2004, 3 pages.	
	39	NewsRoom. Business Wire, BridgeCo Releases Silicon and Firmware Platform Compatible with Microsoft Windows Media Connect and Windows Media DRM Technology. 3 May 2004, 3 pages.	
	40	NewsRoom. Business Wire, CSR and BridgeCo Launch Design for New Generation Wireless Speakers; Transforms Traditional Speakers into Portable Internet Radio, 6 May 2003, 3 pages.	
	41	NewsRoom. Business Wire, Epson Announces the EPSON Stylus Photo 900: The First Photo Printer Under $200 to Print Directly Onto CDs and DVDs; New Printer Offers a Complete Printing Solution for Digital Lifestyles, 16 April 2003, 4 pages.	
	42	NewsRoom. Business Wire, Good Guys Unveils Top 10 Holiday Electronics Gifts; Advances in Technology and Lower Prices Across the Industry Make for Great Deals on In-Demand Products This Season, 3 December 2003, 3 pages.	
	43	NewsRoom. Bytestechnology Briefing, 19 February 2002, 2 pages.	
	44	NewsRoom. CEA Announces 2007 Mark of Excellence Award Winners, 10 March 2007, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	NewsRoom. CEDIA Abuzz with Trends -- Integrators agree: The hot products at this year's expo are the start of a revolutionary move for the home automation market. 9 October 2006, 4 pages.	
	46	NewsRoom. Chicago Sun Times, Wireless stream player hits the right notes, 17 January 2004, 3 pages.	
	47	NewsRoom. Computer Shopper, Entertainment geekly: the blueprints have been drawn for a connected home that fuses the PC with entertainment devices. All you have to do is install..., 1 November 2003, 6 pages.	
	48	NewsRoom. Computer Shopper, Tunes all around, Volume 23; Issue 11, 1 November 2003, 1 page.	
	49	NewsRoom. Computer Shopper, What we want: here's the gear our editors are wishing for this year, Volume 23; Issue 12, 1 December 2003, 8 pages.	
	50	NewsRoom. Computer Shopper, Wi-Fi meets Hi-Fi: here's how to stream music, still images, and videos to your home entertainment center, 1 November 2003, 5 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	RE41608		2010-08-31	BLAIR; Christopher Douglas et al.	
	2	D260764	S	1981-09-15	CASTAGNA; John F. et al.	
	3	D279779	S	1985-07-23	TAYLOR; Terrance N.	
	4	D293671	S	1988-01-12	BEAUMONT; Thomas G.	
	5	D301037	S	1989-05-09	MATSUDA; Hari	
	6	D304443	S	1989-11-07	GRINYER; Clive A. et al.	
	7	D313023	S	1990-12-18	KOLENDA; David F. et al.	
	8	D313398	S	1991-01-01	GILCHRIST; Thomas L.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	9	D313600	S	1991-01-08	WEBER; Edward W.	
	10	D320598	S	1991-10-08	AUERBACH; Marc et al.	
	11	D322609	S	1991-12-24	PATTON; Douglas M.	
	12	D326450	S	1992-05-26	WATANABE; Katsuhito	
	13	D327060	S	1992-06-16	WACHOB; David E. et al.	
	14	D331388	S	1992-12-01	DAHNERT; Dean L. et al.	
	15	D333135	S	1993-02-09	WACHOB; David E. et al.	
	16	D350531	S	1994-09-13	TSUJI; Masao	
	17	D350962	S	1994-09-27	REARDON; John D. et al.	
	18	D354059	S	1995-01-03	HENDRICKS; John S.	
	19	D354751	S	1995-01-24	HERSH; Joseph B. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	20	D356093	S	1995-03-07	McCAULEY; Gilbert L. et al.	
	21	D356312	S	1995-03-14	ALTHANS; Richard K.	
	22	D357024	S	1995-04-04	TOKIYAMA; Masaru et al.	
	23	D362446	S	1995-09-19	GASIOREK; John G. et al.	
	24	D363933	S	1995-11-07	STARCK; Philippe	
	25	D364877	S	1995-12-05	TOKIYAMA; Masaru et al.	
	26	D364878	S	1995-12-05	GREEN; Dewayne E. et al.	
	27	D365102	S	1995-12-12	GIOSCIA; Richard	
	28	D366044	S	1996-01-09	HARA; Masayuki et al.	
	29	D372716	S	1996-08-13	THORNE; Edwin	
	30	D377651	S	1997-01-28	BIASOTTI; Mark et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	31	D379816	S	1997-06-10	LAITURI; David W. et al.	
	32	D380752	S	1997-07-08	HANSON; Bruce D.	
	33	D382271	S	1997-08-12	AKWIWU; Ndukwe	
	34	D384940	S	1997-10-14	KONO; Kenichiro et al.	
	35	D387352	S	1997-12-09	KANEKO; Steven T. et al.	
	36	D388792	S	1998-01-06	NYKERK; Michael	
	37	D389143	S	1998-01-13	WICKS; James E.	
	38	D392641	S	1998-03-24	FENNER; Knut T.	
	39	D393628	S	1998-04-21	LEDBETTER; Carl J. et al.	
	40	D394659	S	1998-05-26	BIASOTTI; Mark et al.	
	41	D395889	S	1998-07-07	GERBA; George et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	42	D397996	S	1998-09-08	SMITH; Michael A.	
	43	D401587	S	1998-11-24	RUDOLPH; Daniel L.	
	44	D404741	S	1999-01-26	SCHUMAKER; Nevenka et al.	
	45	D405071	S	1999-02-02	GAMBARO; Thomas L.	
	46	D406847	S	1999-03-16	GERBA; George et al.	
	47	D407071	S	1999-03-23	KEATING; Virginia Walker	
	48	D410927	S	1999-06-15	YAMAGISHI; Yoshinobu	
	49	D412337	S	1999-07-27	HAMANO; Masataka	
	50	D415496	S	1999-10-19	GERBA; George et al.	
	51	D416021	S	1999-11-02	GODETTE; Robert G. et al.	
	52	D420006	S	2000-02-01	TONINO; Eduardus Josephus Anna Maria	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	53	D429246	S	2000-08-08	HOLMA; Tapani	
	54	D430143	S	2000-08-29	RENK; Thomas Edward	
	55	D431552	S	2000-10-03	BACKS; Jochen Philipp et al.	
	56	D432525	S	2000-10-24	BEECROFT; Troy C.	
	57	D444475		2001-07-03	LEVEY; Keith P. et al.	
	58	D444475		2001-07-03	LEVEY; Keith P. et al.	
	59	D452520		2001-12-25	GOTHAM; David R. et al.	
	60	D462339		2002-09-03	ALLEN; Paul G. et al.	
	61	D462340		2002-09-03	ALLEN; Paul G. et al.	
	62	D462945		2002-09-17	SKULLEY; Gerald W.	
	63	D466108		2002-11-26	GLODAVA; Derrick A. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	64	D468297		2003-01-07	IKEDA; Tetsuya	
	65	D474763		2003-05-20	TOZAKI; RAY et al.	
	66	D475993		2003-06-17	MEYER; Robert K.	
	67	D476643		2003-07-01	YAMAGISHI; Masayuki	
	68	D477310		2003-07-15	MORANSAIS; Charles	
	69	D478051		2003-08-05	SAGAWA; So	
	70	D478069		2003-08-05	BECK; Benjamin et al.	
	71	D478896		2003-08-26	SUMMERS; KIM Renee	
	72	D479520		2003-09-09	DE; Saulles Stephen	
	73	D481056		2003-10-21	KAWASAKI; Mugio et al.	
	74	D486145		2004-02-03	KAMINSKI; Dariusz S. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	75	D491925		2004-06-22	GRIESAU; Gene W. et al.	
	76	D493148		2004-07-20	SHIBATA; Kumiko et al.	
	77	D495333		2004-08-31	BORSBOOM; Antonious M.	
	78	D496003		2004-09-14	SPIRA; Joel S.	
	79	D496005		2004-09-14	WANG; Carter	
	80	D496335		2004-09-21	SPIRA; Joel S.	
	81	D497363		2004-10-19	OLSON; Mark H. et al.	
	82	D499086		2004-11-30	POLITO; Fred	
	83	D499395		2004-12-07	HSU; Gary	
	84	D499718		2004-12-14	CHEN; Alex	
	85	D500015		2004-12-21	GUBBE; Bernd	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	86	D501477		2005-02-01	HALL; David	
	87	D504872		2005-05-10	UEHARA; Mitsuhiro et al.	
	88	D504885		2005-05-10	ZHANG; Jinsong et al.	
	89	D506463		2005-06-21	DANIELS; Wilfried Johan Paul Ferdinand	
	90	D515072		2006-02-14	LEE; Nikolas IAN	
	91	D515557		2006-02-21	OKULEY; James M.	
	92	D518475		2006-04-04	YANG; Yu-Ching et al.	
	93	D524296		2006-07-04	KITA; Toshiyuki	
	94	D527375		2006-08-29	FLORA; William T. et al.	
	95	3956591		1976-05-11	GATES Jr. WILLIAM A;	
	96	4105974		1978-08-08	ROGERS; Edwin F.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	97	4296278		1981-10-20	CULLISON; Steven B. et al.	
	98	4306114		1981-12-15	CALLAHAN; Jeffery C.	
	99	4509211		1985-04-02	ROBBINS; Michael S.	
	100	4530091		1985-07-16	CROCKETT; Gary B.	
	101	4661902		1987-04-28	HOCHSPRUNG; Ronald R. et al.	
	102	4689786		1987-08-25	SIDHU; Gursharan S. et al.	
	103	4696037		1987-09-22	FIERENS; Gustaaf E. M.	
	104	4701629		1987-10-20	CITROEN; Maxime H.	
	105	4712105		1987-12-08	KOEHLER; Hans E. P.	
	106	4731814		1988-03-15	BECKER; William R. et al.	
	107	4816989		1989-03-28	FINN; Alan M. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	108	4824059		1989-04-25	BUTLER, I; LES	
	109	4845751		1989-07-04	SCHWAB; Brian H.	
	110	4994908		1991-02-19	KUBAN; Curt M. et al.	
	111	5086385		1992-02-04	LAUNEY; Reuel O. et al.	
	112	5151922		1992-09-29	WEISS; Karl R.	
	113	5153579		1992-10-06	FISCH; Kenneth D. et al.	
	114	5182552		1993-01-26	PAYNTING; Richard J.	
	115	5185680		1993-02-09	KAKUBO; Yuji	
	116	5198603		1993-03-30	NISHIKAWA; Masashi et al.	
	117	5237327		1993-08-17	SAITOH; Mitsumasa et al.	
	118	5239458		1993-08-24	SUZUKI; Takashi	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	119	5272757		1993-12-21	SCOFIELD; William C. et al.	
	120	5299266		1994-03-29	LUMSDEN; John L.	
	121	5313524		1994-05-17	VAN HULLE; Steven T. F. et al.	
	122	5361381		1994-11-01	SHORT; William R.	
	123	5372441		1994-12-13	LOUIS; William M.	
	124	5406634		1995-04-11	ANDERSON; Charles W. [Us] et al.	
	125	5430485		1995-07-04	LANKFORD; Douglas E. et al.	
	126	5440644		1995-08-08	FARINELLI; Robert [Us] et al.	
	127	5457448		1995-10-10	TOTSUKA; Keiichi et al.	
	128	5467342		1995-11-14	LOGSTON; Gary L. et al.	
	129	5481251		1996-01-02	BUYS; Menno et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	130	5491839		1996-02-13	SCHOTZ; Larry	
	131	5515345		1996-05-07	BARREIRA; Jeane K. et al.	
	132	5533021		1996-07-02	BRANSTAD; Mark W. et al.	
	133	5553147		1996-09-03	PINEAU; Joseph E. M.	
	134	5553222		1996-09-03	MILNE; Steve H. et al.	
	135	5553314		1996-09-03	GRUBE; Gary W. et al.	
	136	5596696		1997-01-21	TINDELL; James M. et al.	
	137	5602992		1997-02-11	DANNEELS; Gunner	
	138	5623483		1997-04-22	AGRAWAL; Prathima et al.	
	139	5625350		1997-04-29	FUKATSU; Hitoshi et al.	
	140	5633871		1997-05-27	BLOKS; Rudolf H. J.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	141	5636345		1997-06-03	VALDEVIT; Ezio	
	142	5640388		1997-06-17	WOODHEAD; Douglas F. et al.	
	143	5642171		1997-06-24	BAUMGARTNER; Donn M. et al.	
	144	5652749		1997-07-29	DAVENPORT; David William et al.	
	145	5661665		1997-08-26	GLASS; Adam et al.	
	146	5661728		1997-08-26	FINOTELLO; Andrea et al.	
	147	5668884		1997-09-16	CLAIR, Jr.; ROY Barry et al.	
	148	5673323		1997-09-30	SCHOTZ; Larry et al.	
	149	5696896		1997-12-09	BADOVINATZ; Peter Richard et al.	
	150	5726989		1998-03-10	DOKIC; Miroslav V.	
	151	5732059		1998-03-24	KATSUYAMA; Akira et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	152	5740235		1998-04-14	LESTER; James William et al.	
	153	5742623		1998-04-21	NUBER; RAY et al.	
	154	5751819		1998-05-12	DORROUGH; Michael L.	
	155	5761320		1998-06-02	FARINELLI; Robert et al.	
	156	5774016		1998-06-30	KETTERER; Ernest R.	
	157	5787249		1998-07-28	BADOVINATZ; Peter Richard et al.	
	158	5790543		1998-08-04	CLOUTIER; LEO	
	159	5808662		1998-09-15	KINNEY; Daniel Reid et al.	
	160	5812201		1998-09-22	YOO; Ki Ryung	
	161	5815689		1998-09-29	SHAW; George H. J. et al.	
	162	5818948		1998-10-06	GULICK; Dale E.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	163	5832024		1998-11-03	SCHOTZ; Larry et al.	
	164	5838909		1998-11-17	ROY; H. Scott et al.	
	165	5848152		1998-12-08	SLIPY; Michael J. et al.	
	166	5852722		1998-12-22	HAMILTON; Graham	
	167	5852744		1998-12-22	AGATONE; Kevin et al.	
	168	5867691		1999-02-02	SHIRAISHI; Hajime	
	169	5875233		1999-02-23	COX; Daniel R.	
	170	5875354		1999-02-23	CHARLTON; Paul et al.	
	171	5887143		1999-03-23	SAITO; Masahiko et al.	
	172	5905768		1999-05-18	MATURI; Greg et al.	
	173	5910990		1999-06-08	JANG; Dae-Young	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	174	5917830		1999-06-29	CHEN; David et al.	
	175	5923869		1999-07-13	KASHIWAGI; Yoshiichiro et al.	
	176	5923902		1999-07-13	INAGAKI; Yoshihiro	
	177	5946343		1999-08-31	SCHOTZ; Larry et al.	
	178	5956025		1999-09-21	GOULDEN; Lorna et al.	
	179	5956088		1999-09-21	SHEN; Paul et al.	
	180	5960006		1999-09-28	MATURI; Greg et al.	
	181	5960167		1999-09-28	ROBERTS; John T. et al.	
	182	5984512		1999-11-16	JONES; Anthony Mark et al.	
	183	5987525		1999-11-16	ROBERTS; Dale Tyson et al.	
	184	5987611		1999-11-16	FREUND; Gregor	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	185	5990884		1999-11-23	DOUMA; Peter et al.	
	186	5991307		1999-11-23	KOMURO; Teruyoshi et al.	
	187	5999906		1999-12-07	MERCS; Laura et al.	
	188	6006275		1999-12-21	PICAZO et al.	
	189	6009457		1999-12-28	MOLLER; Matthew Donaldson	
	190	6018376		2000-01-25	NAKATANI; Shintarou	
	191	6026150		2000-02-15	FRANK; Edward H. et al.	
	192	6026297		2000-02-15	HAARTSEN; Jacobus Cornelis	
	193	6029196		2000-02-22	LENZ; Michael A.	
	194	6031818		2000-02-29	LO; W. Steven et al.	
	195	6032202		2000-02-29	LEA; Rodger J. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	196	6038614		2000-03-14	CHAN; RIX S. et al.	
	197	6046550		2000-04-04	FERENCE; Jonathan H. et al.	
	198	6061457		2000-05-09	STOCKHAMER; LEE	
	199	6078725		2000-06-20	TANAKA; Mitsumasa	
	200	6081266		2000-06-27	SCIAMMARELLA; Eduardo	
	201	6085236		2000-07-04	LEA; Rodger J.	
	202	6088063		2000-07-11	SHIBA; Kosuke	
	203	6101195		2000-08-08	LYONS; Paul Wallace et al.	
	204	6108485		2000-08-22	KIM; Jeong-Kyu	
	205	6108686		2000-08-22	WILLIAMS Jr. HENRY R;	
	206	6119239		2000-09-12	FUJII; Kazuo	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	207	6122668		2000-09-19	TENG; Peter Y. et al.	
	208	6122749		2000-09-19	GULICK; Dale A.	
	209	6127941		2000-10-03	VAN RYZIN; John M.	
	210	6128318		2000-10-03	SATO; Takashi	
	211	6131130		2000-10-10	VAN RYZIN; John M.	
	212	6148205		2000-11-14	COTTON; Timothy R.	
	213	6154772		2000-11-28	DUNN; Bryan W. et al.	
	214	6157957		2000-12-05	BERTHAUD; Jean-Marc	
	215	6163647		2000-12-19	TERASHIMA; Masaru et al.	
	216	6169725		2001-01-02	GIBBS; Simon J. et al.	
	217	6175872		2001-01-16	NEUMANN; Eric K. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	218	6181383		2001-01-30	FOX; Edward C. et al.	
	219	6185737		2001-02-06	NORTHCUTT; J. Duane et al.	
	220	6195435		2001-02-27	KITAMURA; John S.	
	221	6195436		2001-02-27	SCIBORA; Marco et al.	
	222	6199169		2001-03-06	VOTH; Duane J.	
	223	6208846		2001-03-27	CHEN; Young-Kai et al.	
	224	6212282		2001-04-03	MERSHON; Stuart	
	225	6246701		2001-06-12	SLATTERY; William	
	226	6253293		2001-06-26	RAO; Raghunath et al.	
	227	6255961		2001-07-03	VAN; Ryzin John M. [Us] et al.	
	228	6256554		2001-07-03	DILORENZO; Mark	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	229	6269406		2001-07-31	DUTCHER; David Paul et al.	
	230	6301012		2001-10-09	WHITE; Craig R. et al.	
	231	6308207		2001-10-23	TSENG; Weinan William et al.	
	232	6310652		2001-10-30	LI; Stephen et al.	
	233	6313879		2001-11-06	KUBO; Hiroaki et al.	
	234	6321252		2001-11-20	BHOLA; Sumeer et al.	
	235	6324586		2001-11-27	JOHNSON; Aric R.	
	236	6332147		2001-12-18	MORAN; Thomas P. et al.	
	237	6336219		2002-01-01	NATHAN; Guy	
	238	6343028		2002-01-29	KUWAOKA; Toshiharu	
	239	6349285		2002-02-19	LIU; Pu et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	240	6349339		2002-02-19	WILLIAMS; Henry R.	
	241	6349352		2002-02-19	LEA; Rodger J.	
	242	6351821		2002-02-26	VOTH; Duane J.	
	243	6353172		2002-03-05	FAY; Todor C. et al.	
	244	6356871		2002-03-12	HEMKUMAR; Nariankadu Datatreya et al.	
	245	6404811		2002-06-11	CVETKO; John F. et al.	
	246	6418150		2002-07-09	STAATS; Erik P.	
	247	6430353		2002-08-06	HONDA; Susumu et al.	
	248	6442443		2002-08-27	FUJII; Kazuo et al.	
	249	6446080		2002-09-03	VAN; Ryzin John M. et al.	
	250	6449642		2002-09-10	BOURKE-DUNPHY; Erin Marie et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	251	6449653		2002-09-10	KLEMETS; Anders Edgar et al.	
	252	6456783		2002-09-24	ANDO; Hideo et al.	
	253	6463474		2002-10-08	FUH; Tzong-Fen et al.	
	254	6466832		2002-10-15	ZUQERT; Benjamin et al.	
	255	6469633		2002-10-22	WACHTER; Martin Richard [Us] et al.	
	256	6487296		2002-11-26	ALLEN; Steven W. et al.	
	257	6493832		2002-12-10	ITAKURA; Eisaburo et al.	
	258	6522886		2003-02-18	YOUNGS; Edward A. et al.	
	259	6526325		2003-02-25	SUSSMAN; Robert et al.	
	260	6526411		2003-02-25	WARD; Sean	
	261	6535121		2003-03-18	MATHNEY; Richard K. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	262	6571103		2003-05-27	NOVAKOV; Emil P.	
	263	6587127		2003-07-01	LEEKE; Steven D. et al.	
	264	6598172		2003-07-22	VANDEUSEN; Mark P. et al.	
	265	6611537		2003-08-26	EDENS; Glenn T. et al.	
	266	6611813		2003-08-26	BRATTON; Timothy Robert	
	267	6631410		2003-10-07	KOWALSKI; John Michael [Us] et al.	
	268	6636269		2003-10-21	BALDWIN; James A.	
	269	6639584		2003-10-28	LI; Chuang	
	270	6653899		2003-11-25	ORGANVIDEZ; Juan H. et al.	
	271	6654720		2003-11-25	GRAHAM; Stephen Glen et al.	
	272	6654956		2003-11-25	TRINH; Vincent et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	273	6658091		2003-12-02	NAIDOO; Surendra N. et al.	
	274	6674803		2004-01-06	KESSELRING; William David	
	275	6684060		2004-01-27	CURTIN; Steven D.	
	276	6686838		2004-02-03	REZVANI; Babak et al.	
	277	6687664		2004-02-03	SUSSMAN; Robert et al.	
	278	6703940		2004-03-09	ALLEN; William A. et al.	
	279	6704421		2004-03-09	KITAMURA; John S.	
	280	6732176		2004-05-04	STEWART; Brett B. et al.	
	281	6741708		2004-05-25	NAKATSUGAWA; Yoshinori	
	282	6741961		2004-05-25	LIM; Chae-Duck	
	283	6757517		2004-06-29	CHANG; Chin-Chi [Tw] et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	284	6763274		2004-07-13	GILBERT; Erik J.	
	285	6772267		2004-08-03	THALER; Thomas et al.	
	286	6778073		2004-08-17	LUTTER; Robert Pierce et al.	
	287	6778493		2004-08-17	ISHII; Atsushi	
	288	6778869		2004-08-17	CHAMPION; Mark	
	289	6788938		2004-09-07	SUGAYA; Shigeru et al.	
	290	6795852		2004-09-21	KLEINROCK; Leonard et al.	
	291	6801507		2004-10-05	HUMPLEMAN; Richard et al.	
	292	6803964		2004-10-12	POST; Lauren LEE et al.	
	293	6809635		2004-10-26	KAARESOJA; Topi	
	294	6816510		2004-11-09	BANERJEE; Subrata	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	295	6816818		2004-11-09	WOLF; Michael Jaochim et al.	
	296	6823225		2004-11-23	SASS; Jonathan	
	297	6826283		2004-11-30	WHEELER; Thomas M. et al.	
	298	6836788		2004-12-28	KIM; Sang-Gil et al.	
	299	6839752		2005-01-04	MILLER; Robert et al.	
	300	6859460		2005-02-22	CHEN; Michael C.	

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	2320451	CA	A1	2001-03-23	BONNEVILLE MARC ETIENNE [CA]		
	2	2371747	CA	A1	2001-05-25	SAMSUNG ELECTRONICS CO LTD [KR]		
	3	101292500	CN	A	2008-10-22	SONY ERICSSON MOBILE COMM AB.		
	4	1598767	CN	A	2005-03-23	XIAO XUEWEN.		
	5	0251584	EP	A2	1988-01-07	NORTHERN TELECOM LTD.		
	6	0672985	EP	A1	1995-09-20	INTERNATIONAL BUSINESS MACHINES.		
	7	0742674	EP	B1	2014-04-09	TOSHIBA KK [JP]		
	8	0772374	EP	A2	1997-05-07	BANG & OLUFSEN AS.		
	9	0895427	EP	A3	2006-01-18	SONY ELECTRONICS INC.		
	10	1058985	EP	A2	2000-12-13	SONY ELECTRONICS INC [US]		
	11	1111527	EP	A2	2001-06-27	KABUSHIKI KAISHA TOSHIBA.		

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	1122931	EP	A2	2001-08-08	SHARP KABUSHIKI KAISHA.		
	13	1312188	EP	A1	2003-05-21	BRITISH TELECOMM [GB]		
	14	1389853	EP	A1	2004-02-18	SONY INT EUROPE GMBH.		
	15	1410686	EP		2008-03-26	DOLBY LAB LICENSING CORPORATION.		
	16	1416687	EP	B1	2006-08-02	AVID TECHNOLOGY, INC.		
	17	1517464	EP	A2	2005-03-23	PHOENIX GOLD INTERNATIONAL INC.		
	18	2043381	EP	A2	2009-04-01	BANG & OLUFSEN AS.		
	19	2161950	EP	A2	2010-03-10	BANG & OLUFSEN AS.		
	20	2591617	EP	B1	2014-06-18	BANG & OLUFSEN AS.		
	21	2713281	EP		2004-04-02	SONOS, INC.		
	22	2284327	GB	A	1995-05-31	INTEL CORPORATION.		

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	2338374	GB		1999-12-15	MOTOROLA LTD.		
	24	2379533	GB	A	2003-03-12	REQUEST MULTIMEDIA [US]		
	25	2486183	GB		2012-06-13	CAMBRIDGE SILICON RADIO LIMITED.		
	26	07-210129	JP		1995-08-11	INTERNAT'L BUSINESS MACH CORP (IBM)		
	27	2000149391	JP	A	2000-05-30	VICTOR COMPANY OF JAPAN.		
	28	2001034951	JP		2001-02-09	SANYO ELECTRIC CO.		
	29	2002111817	JP		2002-04-12	NEC CORP.		
	30	2002123267	JP	A	2002-04-26	SONY CORP.		
	31	2002358241	JP	A	2002-12-13	VICTOR COMPANY OF JAPAN.		
	32	2003037585	JP		2003-02-07	SONY CORP.		
	33	2003101958	JP		2003-04-04	TOSHIBA CORP.		

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	2003169089	JP	A	2003-06-13	ANCL INC., et al.		
	35	2003506765	JP	A	2003-02-18	CHUNG; Randall M.		
	36	2005108427	JP		2005-04-21	RICOH KK.		
	37	2005136457	JP		2005-05-26	SANYO ELECTRIC CO. LTD.		
	38	2007241652	JP	A	2007-09-20	CORE COLORS INC.		
	39	2009075540	JP	A	2009-04-09	TOUCHTUNES MUSIC CORP.		
	40	2009135750	JP		2009-06-18	KYOCERA CORP.		
	41	2009506603	JP	A	2009-02-12	SONY ERICSSON MOBILE COMMUNICATIONS AB.		
	42	2009535708	JP		2009-10-01	MICROSOFT CORPORATION.		
	43	2009538006	JP	A	2009-10-29	SONY ERICSSON MOBILE COMMUNICATIONS AB.		
	44	2011130496	JP		2011-06-30	TOSHIBA CORP.		

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	63269633	JP		1988-11-07	UNKNOWN.		
	46	20030011128	KR	A	2003-02-06	CHO KAP HOON [KR]		☒
	47	439027	TW		2001-06-07	MITAC TECHNOLOGY CORP.		☐
	48	0019693	WO	A1	2000-04-06	WIRELESS SYSTEM TECHNOLOGIES I [CA], et al.		☐
	49	0110125	WO	A1	2001-02-08	CHUNG, RANDALL M.		☐
	50	02073851	WO		2002-09-19	PULSE-LINK, INC.		☐

If you wish to add additional Foreign Patent Document citation information please click the Add button [Add]

NON-PATENT LITERATURE DOCUMENTS [Remove]

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]
	1	"884+ Automatic Matrix Mixer Control System," Ivie Technologies, Inc., 2000, pp. 1-4.	
	2	Acoustic Research. 900MHz Wireless Stereo Speakers Model AW871 Installation and Operation Manual, 2003, 15 pages.	
	3	Acoustic Research. 900MHz Wireless Stereo Speakers Model AW871 Installation and Operation Manual, 2007, 12 pages. .	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	4	Acoustic Research. Wireless Stereo Speakers with Auto-Tuning. Model AW877 Installation and Operation Manual, 2007, 13 pages.	
	5	ADT CORP., 5 Photographs of the Test Configuration, FCC ID: IXMWAA-B-AGB-01, Report No.: RF921020H02, 5 November 2003, 2 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	6	ADT CORP., Construction Photos of EUT, 921020H02, 13 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	7	ADT CORP., Construction Photos of EUT, 921020H02, 2 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	8	ADT CORP., FCC Test Report, FCC ID: IXMWAA-B-AGB-01, Report No.: RF921020H02, 5 November 2003, 44 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	9	ADT CORP., RF Exposure Report, Report No.: RF921020H02, 4 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	10	Advanced Driver Tab User Interface WaveLan GUI Guide, AVAGO0009, Agere Systems, February 2004, 4 pages.	
	11	Advisory Action mailed 02 February 2016, issued in connection with U.S. Patent Application No. 13/848921, filed on 22 March 2013, 8 pages.	
	12	Advisory Action mailed 18 September 2008, issued in connection with U.S. Patent Application No. 10/816217, filed on 01 April 2004, 8 pages.	
	13	Advisory Action mailed on 01 February 2016, issued in connection with U.S. Patent Application No. 13/864247, filed on 17 April 2013, 6 pages.	
	14	Advisory Action mailed on 01 June 2015, issued in connection with U.S. Patent Application No. 14/516867, filed on 17 October 2014, 11 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	15	Advisory Action mailed on 01 November 2013, issued in connection with U.S. Patent Application No. 13/618829, filed on 14 September 2012, 3 pages.	
	16	Advisory Action mailed on 02 March 2015, issued in connection with U.S. Patent Application No. 13/848932, filed on 22 March 2013, 3 pages.	
	17	Advisory Action mailed on 05 January 2012, issued in connection with U.S. Patent Application No. 12/035112, filed on 21 February 2008, 3 pages.	
	18	Advisory Action mailed on 05 September 2014, issued in connection with U.S. Patent Application No. 13/907666, filed on 31 May 2013, 3 pages.	
	19	Advisory Action mailed on 08 January 2015, issued in connection with U.S. Patent Application No. 13/705176, filed on 05 December 2012, 4 pages.	
	20	Advisory Action mailed on 08 March 2017, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 22 pages.	
	21	Advisory Action mailed on 09 June 2016, issued in connection with U.S. Patent Application No. 13/871795, filed on 25 April 2013, 3 pages.	
	22	Advisory Action mailed on 10 August 2017, issued in connection with U.S. Patent Application No. 13/864250, filed on 17 April 2013, 3 pages.	
	23	Advisory Action mailed on 10 February 2016, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 3 pages.	
	24	Advisory Action mailed on 12 November 2014, issued in connection with U.S. Patent Application No. 13/907666, filed on 31 May 2013, 6 pages.	
	25	Advisory Action mailed on 15 April 2015, issued in connection with U.S. Patent Application No. 14/184526, filed on 19 February 2014, 9 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	26	Advisory Action mailed on 15 April 2015, issued in connection with U.S. Patent Application No. 14/184935, filed on 20 February 2014, 9 pages.	
	27	Advisory Action mailed on 16 August 2017, issued in connection with U.S. Patent Application No. 13/864248, filed on 17 April 2013, 5 pages.	
	28	Advisory Action mailed on 20 June 2017, issued in connection with U.S. Patent Application No. 15/243355, filed on 22 August 2016, 5 pages.	
	29	Advisory Action mailed on 22 August 2017, issued in connection with U.S. Patent Application No. 13/864249, filed on 17 April 2013, 3 pages.	
	30	Advisory Action mailed on 25 March 2015, issued in connection with U.S. Patent Application No. 13/533105, filed on 26 June 2012, 5 pages.	
	31	Advisory Action mailed on 26 February 2015, issued in connection with U.S. Patent Application No. 14/184528, filed on 19 February 2014, 3 pages.	
	32	Advisory Action mailed on 26 November 2014, issued in connection with U.S. Patent Application No. 14/186850, filed on 21 February 2014, 9 pages.	
	33	Advisory Action mailed on 27 April 2016, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 7 pages.	
	34	Advisory Action mailed on 28 December 2016, issued in connection with U.S. Patent Application No. 13/705176, filed on 05 December 2012, 4 pages.	
	35	Advisory Action mailed on 28 July 2015, issued in connection with U.S. Patent Application No. 14/184522, filed on 19 February 2014, 7 pages.	
	36	Advisory Action mailed on 28 September 2009, issued in connection with U.S. Patent Application No. 10/816217, filed on 01 April 2004, 4 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	37	Agere Systems' Voice-over-Wireless LAN (VoWLAN) Station Quality of Service, AVAGO0015, Agere Systems, January 2005, 5 pages.	
	38	AKYILDIZ et al., "Multimedia Group Synchronization Protocols for Integrated Services Networks," IEEE Journal on Selected Areas in Communications, 1996 pp. 162-173, Vol. 14, No. 1.	
	39	Amazon: Philips MCW770 WiFi Wireless PC Link AM/FM 5-CD Microsystem (Discontinued by Manufacturer): Home Audio & Theater, 5 pages [online]. [retrieved on 2020-02-24]. Retrieved from the Internet URL: https://www.amazon.com/gp/product/B000278KLC. .	
	40	Amazon.com: CD30 c300 Wireless Network MP3 Player (Analog/Digital): Home Audio & Theater, 5 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	41	Amazon.com, Cisco-Linksys Wireless-B Music System WMLS11B, 5 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	42	Amazon.com, Cisco-Linksys WMA11B Wireless Digital Media Adapter, 6 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	43	Amazon.com. Creative Labs Sound Blaster Wireless Music: Electronics, 5 pages, [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	44	Amazon.com. Creative Labs Sound Blaster Wireless Music: Electronics, 7 pages, [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	45	American Telecommunications Certification Body In. RE: FCC ID: A6RMCX1000A 7 May 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	46	Anonymous, "Transmission Control Protocol," RFC: 793, USC/Information Sciences Institute, September 1981, 91 pages.	
	47	Apple. Airport Express, Setup Guide. 20 May 2004, 51 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	48	Apple. Airport Express, Setup Guide. 2004, 48 pages.	
	49	Apple Developer Connection. Browsing for Network Services. 12 November 2002, 5 pages.	
	50	Apple. NewsRoom, Apple "Open Sources" Rendezvous. 25 September 2002, 2 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	NewsRoom. Custom Home, Easy listening: the hard disk is shaping the future of home entertainment. (The Wired House)., 1 May 2003, 3 pages.	
	2	NewsRoom. D-Link to Supply Omnifi with Exclusive New Antenna for Streaming Audio Throughout the House, 8 January 2004, 3 pages.	
	3	NewsRoom. Easdown, R., System Heaven: Custom House Technofile, 24 November 2003, 5 pages.	
	4	NewsRoom. Electronic House Expo Announces 2005 Multi-Room Audio/Video Award Winners. 18 November 2005, 3 pages.	
	5	NewsRoom. Electronic House Expo Fall 2003 Exhibitor Profiles. Business Wire. 11 November 2003, 7 pages.	
	6	NewsRoom. Electronic House Expo Spring 2004 Exhibitor Profiles. Business Wire. 10 March 2004, 7 pages.	
	7	NewsRoom. Evangelista, B., SOUND AND FURY THE LATEST IN VOLUME AND VIDEO AT SF HOME ENTERTAINMENT SHOW, 6 June 2003, 3 pages.	
	8	NewsRoom. Fallon et al. THE GOODS, 31 July 2003, 2 pages.	
	9	NewsRoom. Future shocks - CONNECT: Your ultimate home-entertainment guide, 4 December 2003, 3 pages.	
	10	NewsRoom. Gracenote Powers New Music Devices for Home Audio, 8 January 2004, 3 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	11	NewsRoom. Greg, T., Rooms with a tune, 23 July 2003, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	NewsRoom. Hoffman, A., Computer networks start entertaining, 1 June 2003, 3 pages.	
	13	NewsRoom. Home theater systems that are a real blast, NEW STRAITS. 6 January 2000, 3 pages.	
	14	NewsRoom. IDG's PC World Announces Winners of the 2004 World Class Awards, 2 June 2004, 3 pages.	
	15	NewsRoom. InfoComm 2004 Exhibitors Volume 7, Issue 5, 1 May 2004, 24 pages.	
	16	NewsRoom. International Herald Tribune, Transmitting media gets easier cheaply, 31 January 2004, 2 pages.	
	17	NewsRoom. Latest electronic gadgets unveiled in Las Vegas: Wireless Devices take centre stage, 13 January 2003, 4 pages.	
	18	NewsRoom. Linksys Extends Wireless Functionality to the Television, 14 July 2003, 3 pages.	
	19	NewsRoom. Linksys Ships Wireless-B Media Link for Streamlined Delivery of Music From PC to Stereo Stream MP3s, Play Lists and Internet Radio to Any Stereo With the Wireless-B Media Link for Music, 19 May 2004, 3 pages.	
	20	NewsRoom. Linksys Wireless Home Products Are Hot Tech Gifts for 2003, 24 November 2003, 3 pages.	
	21	NewsRoom. Living room expansion – The PC is going from word processor to entertainment hub for many households, 18 August 2003, 4 pages.	
	22	NewsRoom. Macy's Returns To Electronics With Home Theater Boutique, 11 August 2003, 2 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	NewsRoom. Many different ways to enjoy digital music library, 29 April, 2003, 3 pages.	
	24	NewsRoom. Marlowe, C., Pad gadgets: home is where the gear is. 20 October, 2003, 2 pages.	
	25	NewsRoom. Miller II, S. A., Technology gets simpler and smarter, 14 January 2003, 2 pages.	
	26	NewsRoom. Miller, M., Adapted for flight: hands-on trial: wireless media adapters send digital entertainment soaring from PC to living room. 18 September 2003, 3 pages.	
	27	NewsRoom. Miller, S., Creating Virtual Jukeboxes Gadgets Make Digital Music Portable. 19 August 2003, 3 pages.	
	28	NewsRoom. Morning Call, Cutting the cord; Wi-Fi networks connect computers, TVs, DVD players and more without a clutter of wires, 2 February 2003, 5 pages.	
	29	NewsRoom. Mossberg, W., PC-stored music sent without wires, 25 January 2004, 2 pages.	
	30	NewsRoom. Nadel, B., Beam music, images from PC to stereo, TV: Linksys Wireless-B Media Adapter WMA11B. 1 November 2003, 2 pages.	
	31	NewsRoom. Net Briefs, 21 July 2003, 2 pages.	
	32	NewsRoom. NetWork World, The Toys of Summer, 1 September 2003, 3 pages.	
	33	NewsRoom. Networked C300 Speaks Your Language. 6 April 2003, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	NewsRoom. New Camera – Now What? It's easy to go wild printing, sharing your digital photos. 16 October, 2003, 2 pages.	
	35	NewsRoom. New Products Allow Easier Access to Audio Video on Home Computers, 9 November 2003, 3 pages.	
	36	NewsRoom. Newman, H., All-in-one Audio, Video Devices will be next big thing, 9 January 2003, 3 pages.	
	37	NewsRoom. Norris, A., Come over to my house. 23 January 2003, 3 pages.	
	38	NewsRoom. On The Printer Trail -- Ream of new SMB models offers channel a range of sales hooks CRN Test Center finds. 13 October 2003, 5 pages.	
	39	NewsRoom. One way to organize and weed Favorites, 8 May 2003, 3 pages.	
	40	NewsRoom, Outfitting your personal fortress of solitude, 14 March 2002, 4 pages.	
	41	NewsRoom. Philadelphia Inquirer, Wireless solution for stereo sound, 7 August 2003, 3 pages.	
	42	NewsRoom. Popular Science, Yamaha Musiccast An easy way to spread music around your home, 1 December 2003, 2 pages.	
	43	NewsRoom. PR Newswire, "Home Director Announces Availability of AudioPoint Receiver," 27 September 2002, 4 pages.	
	44	NewsRoom. Preview the New EZ-Stream Wireless Audio Adapter at CES January 8-11 2004 BridgeCo Booth 19629, 7 January 2004, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	NewsRoom. Receiver Lets Stereo Join The Wi-Fi Band, 10 April, 2003, 2 pages.	
	46	NewsRoom. Rogers, P., SPEAKER SCREECH: THE END IS NEAR, 8 April 2003, 2 pages.	
	47	NewsRoom. San Jose Mercury News, Intel Fund To Invest In Digital Home, 7 January 2004, 2 pages.	
	48	NewsRoom. SCIENCE & TECHNOLOGY: Wired for sound and video, 14 January 2004, 3 pages.	
	49	NewsRoom, Sears reveals plans for new Eatons stores, 26 October 2000, 3 pages.	
	50	NewsRoom. Seattle Times, Inventions real stars of the show As speeches predict future 100,000 browse 'superstore', 13 January 2003, 4 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	NewsRoom, Sensible Sound, Goin' to a show-show, Surveying The Soundscape, 1 June 2003, 8 pages.	
	2	NewsRoom. Shaw, K., Cool Tools, 20 January 2003, 2 pages.	
	3	NewsRoom. Sheehan, W., More brains, less brawn. 1 September 2003, 3 pages.	
	4	NewsRoom. Sidener, J., Everett Roach, 14 July 2003, 2 pages.	
	5	NewsRoom. Sirius XM Companies Flood Cedia With New Products. Satellite Week. 15 September 2003, 2 pages.	
	6	NewsRoom. Slim Devices Introduces Slimserver, 18 November 2003, 2 pages.	
	7	NewsRoom. Slim Devices Introduces Slimserver. PR Newswire. 18 November 2003, 2 pages.	
	8	NewsRoom. Slim Devices Introduces Squeezebox, 18 November, 2003, 2 pages.	
	9	NewsRoom. SMC Sponsors Canada's First Combined 'LAN Event' for Gamers: DreamlanSMC, 15 January 2004, 2 pages.	
	10	NewsRoom. SMC Sponsors Canada's First Combined 'LAN Event' for Gamers: DreamlanSMC, 15 January 2004, 3 pages.	
	11	NewsRoom. SMC Sponsors Home by Design Showhouse/Connected by Design Tour, 6 January 2004, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	NewsRoom. SMC Teams with Get Digital to Offer Free Music Conversion to Its Wireless Audio Adapter Users, 23 February 2004, 3 pages.	
	13	NewsRoom. SMC teams with Get Digital to offer free music conversion to wireless users, 29 March 2004, 1 page.	
	14	NewsRoom. SMC to Offer Home Entertainment Networking Bundle With New Intel Desktop Boards, 3 November, 2003, 3 pages.	
	15	NewsRoom. Sonic divide crumbles, 2001 WLNR 5430795. 5 September 2001, 3 pages.	
	16	NewsRoom. SOUND AND FURY THE LATEST IN VOLUME AND VIDEO AT SF HOME ENTERTAINMENT SHOW 6 June 2003, 3 pages.	
	17	NewsRoom. Sound Blaster Goes Wireless, 30 September 2003, 3 pages.	
	18	NewsRoom. St. Paul Pioneer Press, Guide To Better Giving You Know These People. Why Is It So Hard To Buy For Them? Maybe It's Not: Everyone Need Technology, From the Littlest Angel to the Most Resistant Grandparent, 24 November 2003, 6 pages.	
	19	NewsRoom. Sullivan, A., PluggedIn - Digital music migrates to the home stereo, 28 October 2003, 3 pages.	
	20	NewsRoom. Tech along, 25 January 2004, 3 pages.	
	21	NewsRoom. Technology Life in the iPad. 15 March 2007, 5 pages.	
	22	NewsRoom. Televisions defy hi-tech trend for minimalism, 19 February 2004, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	NewsRoom. The 50 Best Music Systems, 13 December 2003, 15 pages.	
	24	NewsRoom. The Age (Australia), Fresh Gadgets, 2001 WLNR 13294645, 7 September 2001, 3 pages.	
	25	NewsRoom. The Dallas Morning News, Honorable mentions worth a look, 20 November 2003, 2 pages.	
	26	NewsRoom. The Dallas Morning News, Innovations Hasten Trend of On-the-Go Music, Video, Technology, 16 January 2003, 4 pages.	
	27	NewsRoom. The Dallas Morning News, Wireless Technology Focus of Consumer Electronics Show in Las Vegas, 9 January 2003, 4 pages.	
	28	NewsRoom, THE GOODS WHATS' NEW WHAT'S HOT, 9 November 2000, 2 pages.	
	29	NewsRoom. THE NEXT ACE IN THE HOLE? – Epson HP set the stage for promising alternatives to wired solutions in vertical markets, 14 January 2002, 3 pages.	
	30	NewsRoom. The Orange County Register, Holiday Season Brings Gift Ideas for Tech-Heads, Gadget Groupie, 8 December 2003, 4 pages.	
	31	NewsRoom. The personal computer shows its creative side. Technology has discovered its next "killer app." 14 August 2003, 3 pages.	
	32	NewsRoom. The top 25: computer shopper editors handpick this months best desktops notebooks digital audio receivers, handhelds, and software. 1 November 2003, 3 pages.	
	33	NewsRoom. The toys of summer: Some cool tools that will get you through the lazy days. 1 September 2003, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	NewsRoom. The wide world of Wi-Fi: wherever you are, wireless networking is where it's at. Find out which Wi-Fi components will help you stay connected while... 1 May 2004, 7 pages.	
	35	NewsRoom. Ticker, 1 August 2003, 2 pages.	
	36	NewsRoom. Washington Post, Ask the Computer Guy, 11 January 2004, 2 pages.	
	37	NewsRoom. Yamaha Announces the Worlds First Wireless Home Music System. 11 August 2003, 2 pages.	
	38	NewsRoom. Yamaha Musiccast An easy way to spread music around your home. 1 December 2003, 2 pages.	
	39	NewsRoom.Slim Devices Introduces Squeezebox. PR Newswire. 18 November 2003, 2 pages.	
	40	"NexSys Software v.3 Manual," Crest Audio, Inc., 1997, 76 pages.	
	41	NIEDERST, JENNIFER "O'Reilly Web Design in a Nutshell," Second Edition, September 2001, 678 pages.	
	42	Niles SI-1230. Systems Integration Amplifier. Installation & Operation Guide, 2009, 32 pages.	
	43	Niles SI-1260. Systems Integration Amplifier. Installation & Operation Guide, 2000, 32 pages.	
	44	NILES SVL-4 Speaker Selection/Volume Control System Installation & Operation Guide. Copyright 1999. Sourced from Sonos, Inc. v. Lenbrook Industries Limited et al., Defendants' Answer to Plaintiff's Complaint - Exhibit C, filed October 14, 2019, 16 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	NILSSON, M., "ID3 Tag Version 2," March 26,1998, 28 pages.	
	46	Non-Final Office Action mailed 01 May 2014, issued in connection with U.S. Patent Application No. 14/184522, filed 19 February 2014, 31 pages.	
	47	Non-Final Office Action mailed 05 December 2013, issued in connection with U.S. Patent Application No. 13/827653, filed 14 March 2013, 28 pages.	
	48	Non-Final Office Action mailed 05 January 2012, issued in connection with U.S. Patent Application No. 13/298090, filed on 16 November 2011, 40 pages.	
	49	Non-Final Office Action mailed 06 May 2014, issued in connection with U.S. Paten Application No. 13/705176, filed 05 December 2012, 23 pages.	
	50	Non-Final Office Action mailed 07 September 2016, issued in connection with U.S. Patent Application No. 13/864248, filed 17 April 2013, 12 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Non-final Office Action mailed 10 April 2013, issued in connection with U.S. Patent Application No. 13/619237, filed 14 September 2012, 10 pages.	
	2	Non-Final Office Action mailed 12 May 2014, issued in connection with U.S. Patent Application No. 14/184528, filed 19 February 2014, 23 pages.	
	3	Non-Final Office Action mailed 14 May 2014, issued in connection with U.S. Patent Application No. 13/848932, filed 22 March 2013, 14 pages.	
	4	Non-Final Office Action mailed 17 June 2014, issued in connection with U.S. Patent Application No. 14/176808, filed 10 February 2014, 6 pages.	
	5	Non-Final Office Action mailed 18 December 2013, issued in connection with U.S. Patent Application No. 13/907666, filed 31 May 2013, 12 pages.	
	6	Non-Final Office Action mailed 18 January 2008, issued in connection with U.S. Patent Application No. 10/816217, filed 01 April 2004, 38 pages.	
	7	Non-Final Office Action mailed 19 April 2010, issued in connection with U.S. Patent Application No. 11/801468, filed 09 May 2007, 16 pages.	
	8	Non-Final Office Action mailed 19 March 2013, issued in connection with U.S. Patent Application No. 13/724048, filed 21 December 2012, 9 pages.	
	9	Non-Final Office Action mailed 21 June 2011, issued in connection with U.S. Patent Application No. 10/816217, filed 01 April 2004, 13 pages.	
	10	Non-Final Office Action mailed 22 January 2009, issued in connection with U.S. Patent Application No. 10/816217, filed 01 April 2004, 18 pages.	
	11	Non-Final Office Action mailed 25 July 2014, issued in connection with U.S. Patent Application No. 14/184526, filed 19 February 2014, 9 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Non-Final Office Action mailed 25 July 2014, issued in connection with U.S. Patent Application No. 14/184935, filed 20 February 2014, 11 pages.	
	13	Non-Final Office Action mailed 25 June 2010, issued in connection with U.S. Patent Application No. 10/816217, filed 01 April 2004, 17 pages.	
	14	Non-Final Office Action mailed 25 November 2013, issued in connection with U.S. Patent Application No. 13/533105, filed 26 June 2012, 19 pages.	
	15	Non-Final Office Action mailed 27 May 2014, issued in connection with U.S. Patent Application No. 14/186850, filed 21 February 2014, 13 pages.	
	16	Non-Final Office Action mailed 29 February 2012, issued in connection with U.S. Patent Application No. 13/297000, filed on 15 November 2011, 10 pages.	
	17	Non-Final Office Action mailed 29 November 2010, issued in connection with U.S. Patent Application No. 11/801468, filed on 09 May 2007, 17 pages.	
	18	Non-Final Office Action mailed 30 July 2013 issued in connection with U.S. Patent Application No. 13/724048, filed on 21 December 2012, 7 pages.	
	19	Non-Final Office Action mailed 31 July 2014, issued in connection with U.S. Patent Application No.13/533105, filed on 26 June 2012, 31 pages.	
	20	Non-Final Office Action mailed on 01 December 2014, issued in connection with U.S. Patent Application No. 14/516867, filed on 17 October 2014, 11 pages.	
	21	Non-Final Office Action mailed on 01 June 2016, issued in connection with U.S. Patent Application No. 14/184522, filed on 19 February 2014, 21 pages.	
	22	Non-Final Office Action mailed on 01 September 2010, issued in connection with U.S. Patent Application No. 11/147116, filed 06 June 2005, 36 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Non-Final Office Action mailed on 02 November 2016, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 37 pages.	
	24	Non-Final Office Action mailed on 03 February 2009, issued in connection with U.S. Patent Application No. 11/147116, filed on 06 June 2005, 32 pages.	
	25	Non-Final Office Action mailed on 03 January 2017, issued in connection with U.S. Patent Application No. 14/808875, filed on 24 July 2015, 10 pages.	
	26	Non-Final Office Action mailed on 03 June 2015, issued in connection with U.S. Patent Application No. 14/564544, filed on 09 December 2014, 7 pages.	
	27	Non-Final Office Action mailed on 03 November 2016, issued in connection with U.S. Patent Application No. 14/184528, filed on 19 February 2014, 17 pages.	
	28	Non-Final Office Action mailed on 03 October 2014, issued in connection with U.S. Patent Application No. 13/863083, filed on 15 April 2013, 22 pages.	
	29	Non-Final Office Action mailed on 04 June 2015, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 16 pages.	
	30	Non-Final Office Action mailed on 04 March 2015, issued in connection with U.S. Patent Application No. 13/435776, filed on 30 March 2012, 16 pages.	
	31	Non-Final Office Action mailed on 04 October 2016, issued in connection with U.S. Patent Application No. 15/089758, filed on 04 April 2016, 9 pages.	
	32	Non-Final Office Action mailed on 04 September 2019, issued in connection with U.S. Patent Application No. 15/091113, filed on 5 April 2016, 23 pages.	
	33	Non-Final Office Action mailed on 05 October 2016, issued in connection with U.S. Patent Application No. 13/864250, filed on 17 April 2013, 10 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Non-Final Office Action mailed on 05 October 2016, issued in connection with U.S. Patent Application No. 13/864252, filed on 17 April 2013, 11 pages.	
	35	Non-Final Office Action mailed on 06 October 2016, issued in connection with U.S. Patent Application No. 15/088678, filed on 01 April 2016, 9 pages.	
	36	Non-Final Office Action mailed on 07 July 2015, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 22 pages.	
	37	Non-Final Office Action mailed on 07 November 2011, issued in connection with U.S. Patent Application No. 11/147116, filed 06 June 2005, 48 pages.	
	38	Non-Final Office Action mailed on 07 October 2016, issued in connection with U.S. Patent Application No. 15/156392, filed on 17 May 2016, 8 pages.	
	39	Non-Final Office Action mailed on 08 March 2016, issued in connection with U.S. Patent Application No. 13/848921, filed on 22 March 2013, 13 pages.	
	40	Non-Final Office Action mailed on 09 August 2016, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 31 pages.	
	41	Non-Final Office Action mailed on 10 April 2017, issued in connection with U.S. Patent Application No. 13/871785, filed on 26 April 2013, 10 pages.	
	42	Non-Final Office Action mailed on 10 March 2011, issued in connection with U.S. Patent Application No. 12/035112, filed on 21 February 2008, 12 pages.	
	43	Non-Final Office Action mailed on 10 May 2016, issued in connection with U.S. Patent Application No. 14/504812, filed 02 October 2014, 22 pages.	
	44	Non-Final Office Action mailed on 10 November 2016, issued in connection with U.S. Patent Application No. 15/243355, filed on 22 August 2016, 11 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Non-Final Office Action mailed on 11 July 2017, issued in connection with U.S. Patent Application No. 13/848921, filed on 22 March 2013, 10 pages.	
	46	Non-Final Office Action mailed on 12 January 2017, issued in connection with U.S. Patent Application No. 13/895076, filed on 15 May 2013, 10 pages.	
	47	Non-Final Office Action mailed on 12 June 2015, issued in connection with U.S. Patent Application No. 13/848932, filed on 22 March 2013, 16 pages.	
	48	Non-Final Office Action mailed on 12 March 2015, issued in connection with U.S. Patent Application No. 13/705174, filed on 05 December 2012, 13 pages.	
	49	Non-Final Office Action mailed on 13 January 2016, issued in connection with U.S. Patent Application No. 14/184528, filed on 19 February 2014, 14 pages.	
	50	Non-Final Office Action mailed on 13 March 2015, issued in connection with U.S. Patent Application No. 13/705177, filed 05 December 2012, 15 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Non-Final Office Action mailed on 15 August 2017, issued in connection with U.S. Patent Application No. 14/184522, filed on 19 February 2014, 11 pages.	
	2	Non-Final Office Action mailed on 15 July 2016, issued in connection with U.S. Patent Application No. 14/803953, filed on 20 July 2015, 20 pages.	
	3	Non-Final Office Action mailed on 16 November 2016, issued in connection with U.S. Patent Application No. 15/228639, filed on 04 August 2016, 15 pages.	
	4	Non-Final Office Action mailed on 17 August 2017, issued in connection with U.S. Patent Application No. 14/184528, filed on 19 February 2014, 12 pages.	
	5	Non-Final Office Action mailed on 17 November 2014, issued in connection with U.S. Patent Application No. 13/864247, filed on 17 April 2013, 11 pages.	
	6	Non-Final Office Action mailed on 18 February 2009, issued in connection with U.S. Patent Application No. 10/861653, filed on 05 June 2004, 18 pages.	
	7	Non-Final Office Action mailed on 18 January 2013, issued in connection with U.S. Patent Application No. 13/618829, filed on 14 September 2012, 58 pages.	
	8	Non-Final Office Action mailed on 18 November 2014, issued in connection with U.S. Patent Application No. 13/435739, filed on 30 March 2012, 10 pages.	
	9	Non-Final Office Action mailed on 19 June 2015, issued in connection with U.S. Patent Application No. 13/533105 filed on 26 June 2012, 38 pages.	
	10	Non-Final Office Action mailed on 19 November 2014, issued in connection with U.S. Patent Application No. 13/848921, filed on 22 March 2013, 9 pages.	
	11	Non-Final Office Action mailed on 20 April 2017, issued in connection with U.S. Patent Application No. 90/013882, filed on 27 December 2016, 197 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Non-Final Office Action mailed on 20 August 2009, issued in connection with U.S. Patent Application No. 11/906702, filed on 02 October 2007, 27 pages.	
	13	Non-Final Office Action mailed on 21 February 2020, issued in connection with U.S. Patent Application No. 16/746294, filed on 17 January 2020, 22 pages.	
	14	Non-Final Office Action mailed on 21 September 2016, issued in connection with U.S. Patent Application No. 15/080591, filed on 25 March 2016, 9 pages.	
	15	Non-Final Office Action mailed on 21 September 2016, issued in connection with U.S. Patent Application No. 15/080716, filed on 25 March 2016, 8 pages.	
	16	Non-Final Office Action mailed on 21 September 2016, issued in connection with U.S. Patent Application No. 15/088283, filed on 01 April 2016, 9 pages.	
	17	Non-Final Office Action mailed on 21 September 2016, issued in connection with U.S. Patent Application No. 15/088532, filed on 01 April 2016, 9 pages.	
	18	Non-Final Office Action mailed on 22 September 2016, issued in connection with U.S. Patent Application No. 15/088906, filed on 01 April 2016, 9 pages.	
	19	Non-Final Office Action mailed on 22 September 2016, issued in connection with U.S. Patent Application No. 15/155149, filed on 16 May 2016, 7 pages.	
	20	Non-Final Office Action mailed on 23 July 2018, issued in connection with U.S. Patent Application No. 15/091113, filed on 5 April 2016, 19 pages.	
	21	Non-Final Office Action mailed on 23 June 2015, issued in connection with U.S. Patent Application No. 13/705176, filed on 05 December 2012, 30 pages.	
	22	Non-Final Office Action mailed on 23 October 2014, issued in connection with U.S. Patent Application No. 13/848904, filed on 22 March 2013, 11 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Non-Final Office Action mailed on 23 October 2014, issued in connection with U.S. Patent Application No. 13/864251, filed on 17 April 2013, 11 pages.	
	24	Non-Final Office Action mailed on 23 October 2014, issued in connection with U.S. Patent Application No. 13/888203, filed on 06 May 2013, 9 pages.	
	25	Non-Final Office Action mailed on 23 October 2014, issued in connection with U.S. Patent Application No. 13/932864, filed on 01 July 2013, 20 pages.	
	26	Non-final Office Action mailed on 24 October 2014, issued in connection with U.S. Patent Application No. 13/435776, filed 30 March 2012, 14 pages.	
	27	Non-Final Office Action mailed on 26 February 2015, issued in connection with U.S. Patent Application No. 14/186850, filed on 21 February 2014, 25 pages.	
	28	Non-Final Office Action mailed on 26 July 2017, issued in connection with U.S. Patent Application No. 13/705176, filed on 05 December 2012, 14 pages.	
	29	Non-Final Office Action mailed on 26 March 2015, issued in connection with U.S. Patent Application No. 14/184528, filed on 19 February 2014, 18 pages.	
	30	Non-Final Office Action mailed on 27 June 2008, issued in connection with U.S. Patent Application No. 10/861653, filed on 05 June 2004, 19 pages.	
	31	Non-Final Office Action mailed on 27 March 2015, issued in connection with U.S. Patent Application No. 13/705178, filed on 05 December 2012, 14 pages.	
	32	Non-Final Office Action mailed on 28 December 2015, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 29 pages.	
	33	Non-Final Office Action mailed on 29 November 2016, issued in connection with U.S. Patent Application No. 13/894179, filed on 14 May 2013, 14 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Non-Final Office Action mailed on 30 April 2012, issued in connection with U.S. Patent Application No. 13/204511, filed on 05 August 2011, 16 pages.	
	35	Non-Final Office Action mailed on 30 January 2015, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 29 pages.	
	36	Non-Final Office Action mailed on 30 January 2015, issued in connection with U.S. Patent Application No. 14/504812, filed on 02 October 2014, 13 pages.	
	37	Non-Final Office Action mailed on 30 May 2019, issued in connection with U.S. Patent Application No. 16/298515, filed on 11 March 2019, 22 pages.	
	38	Non-Final Office Action mailed on 30 May 2019, issued in connection with U.S. Patent Application No. 16/298542, filed on 11 March 2019, 22 pages.	
	39	Non-Final Office Action mailed on 30 November 2016, issued in connection with U.S. Patent Application No. 15/243186, filed on 22 August 2016, 12 pages.	
	40	Non-Final Office Action mailed on 30 September 2016, issued in connection with U.S. Patent Application No. 13/864249, filed on 17 April 2013, 12 pages.	
	41	Non-Final Office Action mailed on 31 December 2013, issued in connection with U.S. Patent Application No. 13/618829, filed 14 September 2012, 26 pages.	
	42	North American MPEG-2 Information, "The MPEG-2 Transport Stream," Retrieved from the Internet: URL: http://www.coolstf.com/mpeg/#ts, 2006, pp. 1-5.	
	43	Notice of Allowance mailed 31 January 2013, issued in connection with U.S. Patent Application No. 13/298090, filed on 16 November 2011, 19 pages.	
	44	Notice of Allowance mailed on 01 December 2016, issued in connection with U.S. Patent Application No. 15/088283, filed on 01 April 2016, 9 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Notice of Allowance mailed on 01 June 2017, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 12 pages.	
	46	Notice of Allowance mailed on 02 December 2016, issued in connection with U.S. Patent Application No. 15/088532, filed on 01 April 2016, 9 pages.	
	47	Notice of Allowance mailed on 02 December 2016, issued in connection with U.S. Patent Application No. 15/088678, filed on 01 April 2016, 9 pages.	
	48	Notice of Allowance mailed on 02 December 2016, issued in connection with U.S. Patent Application No. 15/089758, filed on 04 April 2016, 9 pages.	
	49	Notice of Allowance mailed on 02 December 2016, issued in connection with U.S. Patent Application No. 15/155149, filed on 16 May 2016, 9 pages.	
	50	Notice of Allowance mailed on 02 July 2015, issued in connection with U.S. Patent Application No. 13/848904, filed on 22 March 2013, 17 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Notice of Allowance mailed on 02 July 2015, issued in connection with U.S. Patent Application No. 13/888203, filed on 06 May 2013, 19 pages.	
	2	Notice of Allowance mailed on 02 July 2015, issued in connection with U.S. Patent Application No. 14/184935, filed on 20 February 2014, 23 pages.	
	3	Notice of Allowance mailed on 02 June 2017, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 10 pages.	
	4	Notice of Allowance mailed on 03 April 2017, issued in connection with U.S. Patent Application No. 15/088678, filed on 01 April 2016, 8 pages.	
	5	Notice of Allowance mailed on 03 September 2015, issued in connection with U.S. Patent Application No. 13/705174, filed on 05 December 2012, 4 pages.	
	6	Notice of Allowance mailed on 04 August 2015, issued in connection with U.S. Patent Application No. 14/516867, filed on 17 October 2014, 13 pages.	
	7	Notice of Allowance mailed on 04 October 2017, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 8 pages.	
	8	Notice of Allowance mailed on 05 October 2012, issued in connection with U.S. Patent Application No. 13/204511, filed on 05 August 2011, 11 pages.	
	9	Notice of Allowance mailed on 06 March 2014, issued in connection with U.S. Patent Application No. 13/827653, filed 14 March 2013, 17 pages.	
	10	Notice of Allowance mailed on 06 May 2011, issued in connection with U.S. Patent Application No. 11/801468, filed 09 May 2007, 10 pages.	
	11	Notice of Allowance mailed on 06 September 2013, issued in connection with U.S. Patent Application No. 13/619237, filed on 14 September 2012, 10 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Notice of Allowance mailed on 07 April 2016, issued in connection with U.S. Patent Application No. 13/533105, filed on 26 June 2012, 40 pages.	
	13	Notice of Allowance mailed on 07 December 2016, issued in connection with U.S. Patent Application No. 15/156392, filed on 17 May 2016, 9 pages.	
	14	Notice of Allowance mailed on 07 October 2015, issued in connection with U.S. Patent Application No. 14/184526, filed on 19 February 2014, 7 pages.	
	15	Notice of Allowance mailed on 09 March 2017, issued in connection with U.S. Patent Application No. 15/080591, filed on 25 March 2016, 7 pages.	
	16	Notice of Allowance mailed on 09 October 2015, issued in connection with U.S. Patent Application No. 13/435739, filed on 30 March 2012, 4 pages.	
	17	Notice of Allowance mailed on 10 August 2015, issued in connection with U.S. Patent Application No. 13/848904, filed on 22 March 2013, 9 pages.	
	18	Notice of Allowance mailed on 10 February 2017, issued in connection with U.S. Application No. 14/290493, filed on 29 May 2014, 13 pages.	
	19	Notice of Allowance mailed on 10 November 2011, issued in connection with U.S. Patent Application No. 11/906702, filed on 02 October 2007, 17 pages.	
	20	Notice of Allowance mailed on 11 April 2016, issued in connection with U.S. Patent Application No. 13/864247, filed on 17 April 2013, 21 pages.	
	21	Notice of Allowance mailed on 11 January 2016, issued in connection with U.S. Patent Application No. 14/564544, filed on 09 December 2014, 5 pages.	
	22	Notice of Allowance mailed on 12 August 2015, issued in connection with U.S. Patent Application No. 13/435739, filed on 30 March 2012, 27 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Notice of Allowance mailed on 12 July 2017, issued in connection with U.S. Patent Application No. 13/894179, filed on 14 May 2013, 10 pages.	
	24	Notice of Allowance mailed on 13 December 2016, issued in connection with U.S. Patent Application No. 15/080591, filed on 25 March 2016, 9 pages.	
	25	Notice of Allowance mailed on 13 July 2015, issued in connection with U.S. Patent Application No. 14/184526, filed on 19 February 2014, 22 pages.	
	26	Notice of Allowance mailed on 13 July 2017, issued in connection with U.S. Patent Application No. 13/895076, filed on 15 May 2013, 10 pages.	
	27	Notice of Allowance mailed on 13 November 2013, issued in connection with U.S. Patent Application No. 13/724048, filed 21 December 2012, 7 pages.	
	28	Notice of Allowance mailed on 13 October 2015, issued in connection with U.S. Patent Application No. 13/864251, filed on 17 April 2013, 7 pages.	
	29	Notice of Allowance mailed on 14 August 2012, issued in connection withU.S. Patent Application No. 11/147116, filed on 06 June 2005, 33 pages.	
	30	Notice of Allowance mailed on 14 December 2016, issued in connection with U.S. Patent Application No. 15/088906, filed on 01 April 2016, 9 pages.	
	31	Notice of Allowance mailed on 14 June 2012, issued in connection with U.S. Patent Application No. 12/035112, filed on 21 February 2008, 9 pages.	
	32	Notice of Allowance mailed on 15 July 2015, issued in connection with U.S. Patent Application No. 13/705174, filed on 05 December 2012, 18 pages.	
	33	Notice of Allowance mailed on 15 March 2017, issued in connection with U.S. Patent Application No. 15/080716, filed on 25 March 2016, 7 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Notice of Allowance mailed on 15 November 2019, issued in connection with U.S. Patent Application No. 16/298515, filed on 11 March 2019, 8 pages.	
	35	Notice of Allowance mailed on 16 June 2009, issued in connection with U.S. Patent Application No. 10/861653, filed on 05 June 2004, 11 pages.	
	36	Notice of Allowance mailed on 17 July 2015, issued in connection with U.S. Patent Application No. 13/864251, filed on 17 April 2013, 20 pages.	
	37	Notice of Allowance mailed on 17 May 2018, issued in connection with U.S. Patent Application No. 14/805085, filed on 21 July 2015, 18 pages.	
	38	Notice of Allowance mailed on 18 July 2014, issued in connection with U.S. Patent Application No. 13/618829, filed on 14 September 2012, 8 pages.	
	39	Notice of Allowance mailed on 19 May 2015, issued in connection with U.S. Patent Application No. 13/907666, filed on 31 May 2013, 7 pages.	
	40	Notice of Allowance mailed on 19 October 2016, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 14 pages.	
	41	Notice of Allowance mailed on 2 April 2020, issued in connection with U.S. Patent Application No. 15/091113, filed on 5 April 2016, 8 pages.	
	42	Notice of Allowance mailed on 21 September 2015, issued in connection with U.S. Patent Application No. 13/297000, filed on 15 November 2011, 11 pages.	
	43	Notice of Allowance mailed on 22 December 2016, issued in connection with U.S. Patent Application No. 15/080716, filed on 25 March 2016, 9 pages.	
	44	Notice of Allowance mailed on 22 September 2015, issued in connection with U.S. Patent Application No. 13/888203, filed on 06 May 2013, 7 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Notice of Allowance mailed on 23 November 2016, issued in connection with U.S. Patent Application No. 14/803953, filed on 20 July 2015, 21 pages.	
	46	Notice of Allowance mailed on 24 September 2015, issued in connection with U.S. Patent Application No. 13/705174, filed on 05 December 2012, 7 pages.	
	47	Notice of Allowance mailed on 24 September 2015, issued in connection with U.S. Patent Application No. 14/184935, filed on 20 February 2014, 7 pages.	
	48	Notice of Allowance mailed on 24 September 2019, issued in connection with U.S. Patent Application No. 16/298515, filed on 11 March 2019, 8 pages.	
	49	Notice of Allowance mailed on 25 April 2017, issued in connection with U.S. Patent Application No. 15/156392, filed on 17 May 2016, 8 pages.	
	50	Notice of Allowance mailed on 25 September 2014, issued in connection with U.S. Patent Application No. 14/176808, filed on 10 February 2014, 5 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Notice of Allowance mailed on 26 August 2019, issued in connection with U.S. Patent Application No. 16/298,542, filed on 11 March 2019, 8 pages.	
	2	Notice of Allowance mailed on 27 April 2015, issued in connection with U.S. Patent Application No. 13/932864, filed on 01 July 2013, 20 pages.	
	3	Notice of Allowance mailed on 27 August 2015, issued in connection with U.S. Patent Application No. 13/705177, filed on 05 December 2012, 34 pages.	
	4	Notice of Allowance mailed on 27 August 2015, issued in connection with U.S. Patent Application No. 14/505027, filed on 02 October 2014, 18 pages.	
	5	Notice of Allowance mailed on 27 December 2011, issued in connection with U.S. Patent Application No. 10/816217, filed 01 April 2004, 15 pages.	
	6	Notice of Allowance mailed on 27 March 2017, issued in connection with U.S. Patent Application No. 15/089758, filed on 04 April 2016, 7 pages.	
	7	Notice of Allowance mailed on 28 July 2020, issued in connection with U.S. Patent Application No. 15/091113, filed on 5 April 2016, 8 pages.	
	8	Notice of Allowance mailed on 28 March 2017, issued in connection with U.S. Patent Application No. 15/088906, filed on 01 April 2016, 7 pages.	
	9	Notice of Allowance mailed on 28 March 2017, issued in connection with U.S. Patent Application No. 15/155149, filed on 16 May 2016, 7 pages.	
	10	Notice of Allowance mailed on 28 November 2017, issued in connection with U.S. Patent Application No. 15/091014, filed on 05 April 2016, 8 pages.	
	11	Notice of Allowance mailed on 29 April 2015, issued in connection with U.S. Patent Application No. 13/863083, filed on 15 April 2013, 19 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Notice of Allowance mailed on 29 July 2015, issued in connection with U.S. Patent Application No. 13/359976, filed on 27 January 2012, 28 pages.	
	13	Notice of Allowance mailed on 29 July 2015, issued in connection with U.S. Patent Application No. 14/186850, filed on 21 February 2014, 9 pages.	
	14	Notice of Allowance mailed on 29 March 2017, issued in connection with U.S. Patent Application No. 14/803953, filed on 20 July 2015, 8 pages.	
	15	Notice of Allowance mailed on 3 April 2017, issued in connection with U.S. Patent Application No. 15/088678, filed on 1 April 2016, 8 pages.	
	16	Notice of Allowance mailed on 30 August 2016, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 7 pages.	
	17	Notice of Allowance mailed on 30 July 2015, issued in connection with U.S. Patent Application No. 13/705178, filed on05 December 2012, 18 pages.	
	18	Notice of Allowance mailed on 30 March 2017, issued in connection with U.S. Patent Application No. 15/088532, filed on 01 April 2016, 7 pages.	
	19	Notice of Allowance mailed on 30 September 2020, issued in connection with U.S. Patent Application No. 16/746294, filed on 17 January 2020, 9 pages.	
	20	Notice of Allowance mailed on 5 August 2015, issued in connection with U.S. Patent Application No. 13/435776, filed on 30 March 2012, 26 pages.	
	21	Notice of Allowance mailed on 6 April 2017, issued in connection with U.S. Patent Application No. 15/088283, filed on 1 April 2016, 7 pages.	
	22	Notice of Allowance mailed on 6 July 2015, issued in connection with U.S. Patent Application No. 13/297000, filed on 15 November 2011, 24 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Notice of Incomplete Re-Exam Request mailed on 25 May 2017, issued in connection with U.S. Patent Application No. 90/013959 , filed on 01 April 2016, 10 pages.	
	24	Notice of Intent to Issue Re-Examination Certificate mailed on 03 August 2017, issued in connection with U.S. Patent Application No. 90/013882, filed on 27 December 2016, 20 pages.	
	25	NUTZEL et al., "Sharing Systems for Future HiFi Systems," IEEE, 2004, 9 pages.	
	26	OET Exhibits List, Federal Communications Commission, Office of Engineering and Technology, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	27	Office Action in Ex Parte Reexamination mailed on 20 October 2017, issued in connection with U.S. Patent Reexamination Application No. 90/013959, filed on 16 June 2017, 50 pages.	
	28	Olenick, Doug. Networked MP3 Player Lineup Bows From cd3o. 9 January 2003, 6 pages.	
	29	Olenick, Doug. Twice, Networked MP3 Player Lineup Bows from cd3o, 9 January 2003, 2 pages.	
	30	Omnifi A Simple Media Experience. DMSI User Manual, July 2003 36 pages.	
	31	Omnifi DMS1 Wi-Fi Media Receiver Page 2, Sound & Vision, Copyright 2020, 7 pages.	
	32	Omnifi DMS1 Wi-Fi Media Receiver Page 3, Sound & Vision, Copyright 2020, 5 pages.	
	33	"Sonos Multi-Room Music System User Guide," Version 090401, Sonos, Inc. 1 April 2009, 256 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Operational Description, FCC ID: IXMWAA-B-AGB-01, ADT No. 921020H02, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	35	P4 0.3.1 software/source code available via link ("Download P4 0.3.1.") 1 page [online]. [retrieved on 2020-03-26]. Retrieved from the Internet URL: http://snarfed.org/p4.	
	36	p4sync/player.cpp. GitHub. Copyright 2005, 4 pages [online], [retrieved on 2020-03-26]. Retrieved from the Internet URL: http://github.com/snarfed/p4sync/blob/master/player.cpp.	
	37	Palm, Inc., "Handbook for the Palm VII Handheld," May 2000, 311 pages.	
	38	Parasound Zpre2 Zone Preamplifier with PTZI Remote Control, 2005, 16 pages.	
	39	PARK et al., "Group Synchronization in MultiCast Media Communications," Proceedings of the 5th Research on Multicast Technology Workshop, 2003, 5 pages.	
	40	Parrot - All Products - Bluetooth Hands Free Car Kits, 21 October 2008, 3 pages.	
	41	Parrot DS1120 - Wireless Hi-Fi Stereo Sound System, 22 November 2008, 3 pages .	
	42	Parrot DS1120 User Guide, English. Retrieved on 2020-03-26, 11 pages.	
	43	Parrot DS1120 User Manual, 2007, 22 pages.	
	44	Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications. ANSI/IEEE Std 802.11, 1999 Edition, 528 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	PASCOE, Bob, "Salutation Architectures and the newly defined service discovery protocols from Microsoft® and Sun®," Salutation Consortium, White Paper, June 6, 1999, 5 pages.	
	46	Philips. Installation CD Content, software/ source code available via zip file ("Installation CD Content") published September 15, 2004, 3 pages [online], [retrieved on 2020-02-24]. Retrieved from the Internet URL : https://www.usa.philips.com/c-p/MCW770_37/-/support.	
	47	Philips Leads Consumer Electronics Industry with 21 CES Innovation Awards. Business Wire. 2004 International CES, 6 January 2004, 3 pages. .	
	48	Philips. MC W7708. Wireless PC Link Quick Installation. Published December 22, 2004, 8 pages. .	
	49	Philips. MCW770 Leaflet. Remote Control MP3 Music from Your PC…Wirelessly. MP3 Micro Hi-Fi System with 5 CD Tray Changer. Published March 2, 2004, 2 pages. .	
	50	Philips. MCW770 Quick Use Guide. English version. Published December 22, 2004, 4 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Philips Media Manager 3.3.12.0004 Release Notes, last modified 29 August 2006, 2 pages.	
	2	Philips. Media Manager Software - English version: PMM 3.3.12, software/ source code available via zip file ("Media Manager Software - English") published September 15, 2004, 3 pages [online], [retrieved on 2020-02-24]. Retrieved from the Internet URL : https://www.usa.philips.com/c-p/MCW770_37/-/support.	
	3	Philips. PC Software version: V.12.1, software/ source code available via zip file ("PC Software") published September 15, 2004, 3 pages [online], [retrieved on 2020-02-24]. Retrieved from the Internet URL : https://www.usa.philips.com/c-p/MCW770_37/-/support.	
	4	Philips.Wireless PC Link Micro MCW770 Custom Installation, User Manual, published August 24, 2004, 61 pages.	
	5	PILLAI et al., "A Method to Improve the Robustness of MPEG Video Applications over Wireless Networks," Kent Ridge Digital Labs, 2000, 15 pages.	
	6	Pinnacle ShowCenter. Pinnacle Systems, March 2005, 132 pages.	
	7	Pohlmann, Ken. Omnifi DMS1 Wi-Fi Media Receiver. Sound & Vision, 20 October 2003, 7 pages.	
	8	Polycom Conference Composer User Guide, copyright 2001, 29 pages.	
	9	Pre-Brief Conference Decision mailed on 11 May 2017, issued in connection with U.S. Patent Application No. 14/504812, filed on 2 October 2014, 2 pages.	
	10	Pre-Interview First Office Action mailed on 10 March 2015, issued in connection with U.S. Patent Application No. 14/505027, filed on 02 October 2014, 4 pages.	
	11	Presentations at WinHEC 2000, May 2000, 138 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	PRISMIQ, Inc., "PRISMIQ Media Player User Guide," 2003, 44 pages.	
	13	Proficient Audio Systems M6 Quick Start Guide, 2011, 5 pages.	
	14	Proficient Audio Systems: Proficient Editor Advanced Programming Guide, 2007, 40 pages.	
	15	Programming Interface for WL54040 Dual-Band Wireless Transceiver, AVAGO0066, Agere Systems, May 2004, 16 pages.	
	16	Publishing Network Services. Apple Developer Connection. Rendezous Network Services: Publishing Network Services, 12 November 2002, 6 pages.	
	17	Radio Shack, "Auto-Sensing 4-Way Audio/Video Selector Switch," 2004, 1 page.	
	18	RadioShack, Pro-2053 Scanner, 2002 Catalog, part 1, 100 pages.	
	19	RadioShack, Pro-2053 Scanner, 2002 Catalog, part 2, 100 pages.	
	20	RadioShack, Pro-2053 Scanner, 2002 Catalog, part 3, 100 pages.	
	21	RadioShack, Pro-2053 Scanner, 2002 Catalog, part 4, 100 pages.	
	22	RadioShack, Pro-2053 Scanner, 2002 Catalog, part 5, 46 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	RANGAN et al., "Feedback Techniques for Continuity and Synchronization in Multimedia Information Retrieval," ACM Transactions on Information Systems, 1995, pp. 145-176, Vol. 13, No. 2.	
	24	Real Time Control Protocol (RTCP) and Realtime Transfer Protocol (RTP), RFC 1889 (Jan. 1996) (D+M_0397810-84) (75 pages).	
	25	Realtime Streaming Protocol (RTSP), RFC 2326 (Apr. 1998) (D+M_0397945-8036) (92 pages).	
	26	Realtime Transport Protocol (RTP), RFC 3550 (July 2003) (D+M_0398235-323) (89 pages).	
	27	Re-Exam Final Office Action mailed on 5 August 2015, issued in connection with U.S. Patent Application No. 90/013423, filed on 5 January 2015, 25 pages.	
	28	Reexam Non-Final Office Action mailed on 09 November 2016, issued in connection with U.S. Patent Application No. 90/013774, filed on 29 June 2016, 35 pages.	
	29	Re-Exam Non-Final Office Action mailed on 22 April 2015, issued in connection with U.S. Patent Application No. 90/013423, filed on 05 January 2015, 16 pages.	
	30	REID, Mark, "Multimedia conferencing over ISDN and IP networks using ITU-T H-series recommendations: architecture, control and coordination," Computer Networks, 1999, pp. 225-235, Vol. 31.	
	31	RenderingControl:1 Service Template Version 1.01 For UPnP, Version 1.0, (June 25, 2002) (SONDM000115187-249) (63 pages).	
	32	Rendezous Network Services: Resolving and Using Network Services. Apple Developer Connection, 12 November 2002, 5 pages.	
	33	Rendezvous Network Services: About Rendezvous. Apple Developer Connection, 12 November 2002, 5 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Renewed Request for Ex Parte Re-Examination, U.S. Application No. 90/013959 filed 16 June 2017, 126 pages.	
	35	Renkus Heinz Manual; available for sale at least 2004, 6 pages.	
	36	Request for Ex Parte Reexamination submitted in U.S. Patent 9213357 on May 22, 2017, 85 pages.	
	37	"Residential Distributed Audio Wiring Practices," Leviton Network Solutions, 2001, 13 pages.	
	38	RITCHIE et al., "MediaServer:1 Device Template Version 1.01," Contributing Members of the UPnP Forum, June 25, 2002, 12 pages.	
	39	RITCHIE et al., "UPnP AV Architecture:1, Version 1.0," Contributing Members of the UPnP Forum, June 25, 2002, 22 pages.	
	40	RITCHIE, John, "MediaRenderer:1 Device Template Version 1.01," Contributing Members of the UPnP Forum, June 25, 2002, 12 pages.	
	41	Rocketfish. Digital Wireless Speakers. RF-WS01/WS01-W/WS02 User Guide, 2008, 28 pages.	
	42	Rocketfish. Wireless Outdoor Speaker. RF-RBWS02 User Guide, 2009, 33 pages.	
	43	Rocketfish Wireless Outdoor Speaker RF-RBWS02 User Guide, 2009, 33 pages. .	
	44	Roku SoundBridge Network Music Player User Guide v2.5, 2006, 40 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	ROLAND CORPORATION, "Roland announces BA-55 Portable PA System," press release, April 6, 2011, 2 pages.	
	46	Rose, B., Home Networks: A Standards Perspective. In-Home Networking, IEEE Communications Magazine, December 2001, 8 pages.	
	47	ROTHERMEL et al., "An Adaptive Protocol for Synchronizing Media Streams," Institute of Parallel and Distributed High-Performance Systems (IPVR), 1997, 26 pages.	
	48	ROTHERMEL et al., "An Adaptive Stream Synchronization Protocol," 5th International Workshop on Network and Operating System Support for Digital Audio and Video, 1995, 13 pages.	
	49	ROTHERMEL et al., "An Adaptive Stream Synchronization Protocol," 5th International Workshop on Network and Operating System Support for Digital Audio and Video, April 18-21, 1995, 12 pages.	
	50	ROTHERMEL et al., "Clock Hierarchies- An Abstraction for Grouping and Controlling Media Streams," University of Stuttgart Institute of Parallel and Distributed High-Performance Systems, January 1996, 23 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	ROTHERMEL et al., "Synchronization in Joint-Viewing Environments," University of Stuttgart Institute of Parallel and Distributed High-Performance Systems, 1992, 13 pages.	
	2	ROTHERMEL, Kurt, "State-of-the-Art and Future Research in Stream Synchronization," University of Stuttgart, 3 pages.	
	3	'RVL-6 Modular Multi-Room Controller, Installation & Operation Guide," Nile Audio Corporations, 1999, 46 pages.	
	4	Schertel, Barry. Griffin Evolve Wireless iPod Speakers, 18 February 2008, 4 pages.	
	5	SCHMANDT et al., "Impromptu: Managing Networked Audio Applications for Mobile Users," 2004, 11 pages.	
	6	SCHULZRINNE et al., "RTP: A Transport Protocol for Real-Time Applications," Network Working Group, January 1996, pp. 1-75.	
	7	SCHULZRINNE H., et al., "RTP: A Transport Protocol for Real-Time Applications, RFC 3550," Network Working Group, 2003, pp. 1-89.	
	8	Shannon, Victoria. The New York Times, Company supports Apple: Philips sets up a 'Rendezvous', 11 September 2002, 2 pages.	
	9	Sieborger, D. R., Multiprotocol Control of Networked Home Entertainment Devices, February 2004, 131 pages.	
	10	Simple Network Time Protocol (SNTPI), RFC 1361 (August 1992) (D+M_0397537-46) (10 pages).	
	11	Simple Network Time Protocol (SNTPII), RFC 1769 (March 1995) (D+M_0397663-76) (14 pages).	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Simple Service Discovery Protocol/1.0 Operating without an Arbiter (Oct. 28, 1999) (24 pages).	
	13	SMC EZ-Stream Universal Wireless Multimedia Receiver - NextUp, 5 December 2003, 4 pages.	
	14	SMC Network. SMCWMR-AG – EZ-Stream Universal Wireless Multimedia Receiver, 3 December 2003, 2 pages.	
	15	SMC NETWORKS CONSUMER SITE. About SMC: Press Release Details, 21 February 2004, 2 pages.	
	16	SMC NETWORKS CONSUMER SITE. Products: Home Entertainment Networking, 10 December 2003, 1 page.	
	17	SMC NETWORKS CONSUMER SITE. Products: Home Entertainment Networking, 7 February 2004, 1 page.	
	18	SMC NETWORKS CONSUMER SITE. Support: Support Center Downloads, 7 February 2004, 1 page.	
	19	SMC Networks Ez-Stream Universal 2.4GHz/5GHz Wireless Multimedia Receiver. SMCWMR-AG Users Manual, 60 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	20	SMC Networks. SMCWAA-B EZ-Stream 2.4GHz Wireless Audio Adapter, 2004, 51pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	21	SMC Networks. SMCWAA-B EZ-Stream 2.4GHz Wireless Audio Adapter. User Guide, 2004, 51 pages.	
	22	SMC Networks. SMCWMR-AG EZ-Stream Universal Wireless Multimedia Receiver. User Guide, 2003, 43 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	SMC Wireless Music Network Setup, 12 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	24	SMC-GT1255FTX-SC EZ Card. SMC Networks: What's New, 5 February 2004, 7 pages.	
	25	snarfed/p4sync. GitHub: A library and plugins for a few music players that (attempts to) synchronize playback across multiple computers, 2 pages [online]. [retrieved on 2020-03-26]. Retrieved online URL: https://github.com/snarfed/p4sync.	
	26	Software & drivers. Micro Audio System MCW770/37. Philips. Copyright 2004-2020, 3 pages [online]. [retrieved on 2020-02-24]. Retrieved from the Internet URL: https://www.usa.philips.com/c-p/MCW770_37/-/support.	
	27	Sonos, Inc. v D&M Holdings, D&M Supp Opposition Brief including Exhibits, 17 March 2017, 23 pages.	
	28	Sonos, Inc. v. D&M Holdings, Expert Report of Jay P. Kesan including Appendices A-P, Feb. 20, 2017, 776 pages.	
	29	Sonos, Inc. v. D&M Holdings Inc. et al., Complaint for Patent Infringement, filed October 21, 2014, 20 pages.	
	30	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions, filed September 14, 2016, 100 pages.	
	31	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions, filed April 15, 2016, 97 pages.	
	32	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Preliminary Identification of Indefinite Terms, provided July 29, 2016, 8 pages.	
	33	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' 35 U.S.C. § 282 Notice filed November 2, 2017, 31 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' Amended Answer, Defenses, and Counterclaims for Patent Infringement, filed November 30, 2015, 47 pages.	
	35	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' Answer to Plaintiff's Second Amended Complaint, filed April 30, 2015, 19 pages.	
	36	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' First Amended Answer to Plaintiffs' Third Amended Complaint, filed September 7, 2016, 23 pages.	
	37	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' Reply in Support of Partial Motion for Judgment on the Pleadings, filed June 10, 2016, 15 pages.	
	38	Sonos, Inc. v. D&M Holdings Inc. et al., Exhibit A: Defendants' First Amended Answer to Plaintiffs' Third Amended Complaint, provided August 1, 2016, 26 pages.	
	39	Sonos, Inc. v. D&M Holdings Inc. et al., Exhibit A: Defendants' Second Amended Answer to Plaintiffs' Third Amended Complaint, filed September 9, 2016, 43 pages.	
	40	Sonos, Inc. v. D&M Holdings Inc. et al., Exhibit A: Defendants' Second Amended Answer to Plaintiffs' Third Amended Complaint, provided September 9, 2016, 88 pages.	
	41	Sonos, Inc. v. D&M Holdings Inc. et al., First Amended Complaint for Patent Infringement, filed December 17, 2014, 26 pages.	
	42	Sonos, Inc. v. D&M Holdings Inc. et al., Joint Claim Construction Chart, Volume 1 of 3 with Exhibits A-O, filed August 17, 2016, 30 pages.	
	43	Sonos, Inc. v. D&M Holdings Inc. et al., Opening Brief in Support of Defendants' Partial Motion for Judgment on the Pleadings for Lack of Patent-Eligible Subject Matter, filed May 6, 2016, 27 pages.	
	44	Sonos, Inc. v. D&M Holdings Inc. et al., Plaintiff Sonos, Inc.'s Opening Claim Construction Brief, filed September 9, 2016, 26 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Sonos, Inc. v. D&M Holdings Inc. et al., Plaintiff Sonos, Inc.'s Response in Opposition to Defendants' Partial Motion for Judgment on the Pleadings, filed May 27, 2016, 24 pages.	
	46	Sonos, Inc. v. D&M Holdings Inc. et al., Reply Brief in Support of Defendants' Motion for Leave to Amend their Answer to Add the Defense of Inequitable Conduct, provided November 10, 2016, 16 pages.	
	47	Sonos, Inc. v. D&M Holdings Inc. et al., Reply Brief in Support of Defendants' Motion for Leave to Amend their Answer to Add the Defense of Inequitable Conduct, provided September 9, 2016, 16 pages.	
	48	Sonos, Inc. v. D&M Holdings Inc. et al., Second Amended Complaint for Patent Infringement, filed February 27, 2015, 49 pages.	
	49	Sonos, Inc. v. D&M Holdings Inc. et al., Sonos's Motion to Strike Defendants' New Amended Answer Submitted with their Reply Brief, provided September 15, 2016, 10 pages.	
	50	Sonos, Inc. v. D&M Holdings Inc. et al., Sonos's Opposition to Defendants' Motion for Leave to Amend their Answer to Add the Defense of Inequitable Conduct, provided October 31, 2016, 26 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Sonos, Inc. v. D&M Holdings Inc. et al., Third Amended Complaint for Patent Infringement, filed January 29, 2016, 47 pages.	
	2	Sonos, Inc. v. D&M Holdings, Inc. (No. 14-1330-RGA), Defendants' Final Invalidity Contentions (Jan. 18, 2017) (106 pages).	
	3	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 226, Opinion Denying Inequitable Conduct Defenses, Feb. 6, 2017, updated, 5 pages.	
	4	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 242, US District Judge Andrews 101 Opinion, Mar. 13, 2017, 16 pages.	
	5	Sonos, Inc. v D&M Holdings, Sonos Supp Opening Markman Brief including Exhibits, 3 March 2017, 17 pages.	
	6	Sonos, Inc. v. D&M Holdings, Sonos Supp Reply Markman Brief including Exhibits, 29 March 2017, 36 pages.	
	7	Sonos, Inc. v. D&M Holdings Inc. et al., Declaration of Steven C. Visser, executed September 9, 2016, 40 pages.	
	8	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 1: Defendants' Invalidity Contentions for U.S. Patent No. 7,571,014 filed September 16, 2016, 270 pages.	
	9	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 10: Defendants' Invalidity Contentions for U.S. Patent No. 9,219,959 filed September 27, 2016, 236 pages.	
	10	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 11: Defendants' Invalidity Contentions for U.S. Design Patent No. D559,197 filed September 27, 2016, 52 pages.	
	11	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 2: Defendants' Invalidity Contentions for U.S. Patent No. 8,588,949 filed September 27, 2016, 224 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 3: Defendants' Invalidity Contentions for U.S. Patent No. 8,843,224 filed September 27, 2016, 147 pages.	
	13	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 4: Defendants' Invalidity Contentions for U.S. Patent No. 8,938,312 filed September 27, 2016, 229 pages.	
	14	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 5: Defendants' Invalidity Contentions for U.S. Patent No. 8,938,637 filed September 27, 2016, 213 pages.	
	15	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 6: Defendants' Invalidity Contentions for U.S. Patent No. 9,042,556 filed September 27, 2016, 162 pages.	
	16	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 7: Defendants' Invalidity Contentions for U.S. Patent No. 9,195,258 filed September 27, 2016, 418 pages.	
	17	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 8: Defendants' Invalidity Contentions for U.S. Patent No. 9,202,509 filed September 27, 2016, 331 pages.	
	18	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 9: Defendants' Invalidity Contentions for U.S. Patent No. 9,213,357 filed September 27, 2016, 251 pages.	
	19	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 1: Defendants' Invalidity Contentions for U.S. Patent No. 7,571,014 filed April 15, 2016, 161 pages.	
	20	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 10: Defendants' Invalidity Contentions for U.S. Patent No. 9,213,357 filed April 15, 2016, 244 pages.	
	21	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 11: Defendants' Invalidity Contentions for U.S. Patent No. 9,219,959 filed April 15, 2016, 172 pages.	
	22	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 12: Defendants' Invalidity Contentions for U.S. Design Patent No. D559,197 filed April 15, 2016, 36 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 2: Defendants' Invalidity Contentions for U.S. Patent No. 8,588,949 filed April 15, 2016, 112 pages.	
	24	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 3: Defendants' Invalidity Contentions for U.S. Patent No. 8,843,224 filed April 15, 2016, 118 pages.	
	25	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 4: Defendants' Invalidity Contentions for U.S. Patent No. 8,938,312 filed April 15, 2016, 217 pages.	
	26	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 5: Defendants' Invalidity Contentions for U.S. Patent No. 8,938,637 filed April 15, 2016, 177 pages.	
	27	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 6: Defendants' Invalidity Contentions for U.S. Patent No. 9,042,556 filed April 15, 2016, 86 pages.	
	28	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 7: Defendants' Invalidity Contentions for U.S. Patent No. 9,130,771 filed April 15, 2016, 203 pages.	
	29	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 8: Defendants' Invalidity Contentions for U.S. Patent No. 9,195,258 filed April 15, 2016, 400 pages.	
	30	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 9: Defendants' Invalidity Contentions for U.S. Patent No. 9,202,509 filed April 15, 2016, 163 pages.	
	31	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Preliminary Identification of Prior Art References, provided July 29, 2016, 5 pages.	
	32	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' Brief in Support of their Motion for Leave to Amend their Answer to Add the Defense of Inequitable Conduct, provided October 12, 2016, 24 pages.	
	33	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' Opposition to Sonos's Motion to Strike Defendants' New Amended Answer Submitted with their Reply, provided October 3, 2016, 15 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Sonos, Inc. v. D&M Holdings Inc. et al., Exhibit A: Defendants' Second Amended Answer to Plaintiffs' Third Amended Complaint, provided October 12, 2016, 43 pages.	
	35	Sonos, Inc. v. D&M Holdings Inc. et al., Exhibit B: Defendants' Second Amended Answer to Plaintiffs' Third Amended Complaint, provided October 12, 2016, 43 pages.	
	36	Sonos, Inc. v. D&M Holdings Inc. et al., Opening Brief in Support of Defendants' Motion for Leave to Amend Their Answer to Add the Defense of Inequitable Conduct, provided August 1, 2016, 11 pages.	
	37	Sonos, Inc. v. D&M Holdings Inc. et al., Order, provided October 7, 2016, 2 pages.	
	38	Sonos, Inc. v. D&M Holdings Inc. et al., Plaintiff's Opposition to Defendants' Motion for Leave to Amend Their Answer to Add the Defense of Inequitable Conduct, provided August 26, 2016, 25 pages.	
	39	Sonos, Inc. v. D&M Holdings Inc. et al., Redlined Exhibit B: Defendants' First Amended Answer to Plaintiffs' Third Amended Complaint, provided August 1, 2016, 27 pages.	
	40	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 206-1, Transcript of 101 Hearing (Nov. 28, 2016) (28 pages).	
	41	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 207, PUBLIC Joint Claim Construction Brief (Nov. 30, 2016) (88 pages).	
	42	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 214, D&M Post-Markman Letter (Dec. 22, 2016) (13 pages).	
	43	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 215, Sonos Post-Markman Letter (Dec. 22, 2016) (15 pages).	
	44	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 219, Claim Construction Opinion (Jan. 12, 2017) (24 pages).	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 221, Claim Construction Order (Jan. 18 2017) (2 pages).	
	46	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), Markman Hearing Transcript (Dec. 14, 2016) (69 pages).	
	47	Sonos, Inc. v. Google LLC, Appendix A to Respondents' Response to the Complaint and Notice of Investigation, filed February 27, 2020, 2 pages. .	
	48	Sonos, Inc. v. Google LLC, Appendix B to Respondents' Response to the Complaint and Notice of Investigation, filed February 27, 2020, 176 pages. .	
	49	Sonos, Inc. v. Google LLC. Order 20: Construing the Terms of the Asserted Claims of the Patents at Issue dated 25 September 2020, 53 pages.	
	50	Sonos, Inc. v. Google LLC. Respondents' Final Invalidity Claims Charts for US Patent 10,439,896, Exhibits 1-13, 15-16, and B, 1324 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Sonos, Inc. v. Google LLC. Respondents' Final Invalidity Contentions [Redacted] dated 4 September 2020, 261 pages.	
	2	Sonos, Inc. v. Google LLC, Respondents' Response to the Complaint and Notice of Investigation, filed February 27, 2020, 46 pages.	
	3	Sonos, Inc. v. Implicit, LLC: Declaration of Roman Chertov in Support of the Inter Partes Review of U.S. Patent No. 7,391,791 dated March 9, 2018, 92 pages.	
	4	Sonos, Inc. v. Implicit, LLC: Declaration of Roman Chertov in Support of the Inter Partes Review of U.S. Patent No. 8,942,252 dated March 9, 2018, 81 pages.	
	5	Sonos, Inc. v. Lenbrook Industries Limited et al., Defendants' Answer to Plaintiff's Complaint, filed October 14, 2019, 66 pages.	
	6	Sonos, Inc. v. Lenbrook Industries Limited et al., Defendants' First Amended Answer and Counterclaims to Plaintiff's Complaint, filed November 14, 2019, 66 pages.	
	7	Sonos System Overview, Version 1.0, July 2011, 12 pages.	
	8	Sonos v. Google. Exhibit A to Respondents' Initial Invalidity Contentions dated 29 April 2020, 194 pages.	
	9	Sonos v. Google. Respondents' Initial Invalidity Claim Charts for Patent US 10,439,896, Exhibits 1-16 and B, dated 29 April 2020, 1102 pages.	
	10	Sonos v. Google. Respondents' Initial Invalidity Claim Charts for US Patent 10,209,953, Exhibits 1-10 and B, dated 29 April 2020, 288 pages.	
	11	Sonos v. Google. Respondents' Initial Invalidity Claim Charts for US Patent 8,588,949, Exhibits 1-19 and B, dated 29 April 2020, 280 pages. .	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Sonos v. Google. Respondents' Initial Invalidity Claim Charts for US Patent 9,195,258, Exhibits 1 - 10 and B, dated 29 April 2020, 345 pages. .	
	13	Sonos v. Google. Respondents' Initial Invalidity Claim Charts for US Patent 9,219,959, Exhibits 1-9 and B, dated 29 April 2020, 344 pages. .	
	14	Sonos v. Google. Respondents' Initial Invalidity Contentions dated 29 April 2020, 200 pages.	
	15	Sony: AIR-SA 50R Wireless Speaker, Copyright 2009, 2 pages.	
	16	Sony: Altus Quick Setup Guide ALT-SA32PC, Copyright 2009, 2 pages.	
	17	Sony: BD/DVD Home Theatre System Operating Instructions for BDV-E300, E301 and E801, Copyright 2009, 115 pages.	
	18	Sony: BD/DVD Home Theatre System Operating Instructions for BDV-IT1000/BDV-IS1000, Copyright 2008, 159 pages.	
	19	Sony: Blu-ray Disc/DVD Home Theatre System Operating Instructions for BDV-IZ1000W, Copyright 2010, 88 pages.	
	20	Sony: DVD Home Theatre System Operating Instructions for DAV-DZ380W/DZ680W/DZ880W, Copyright 2009, 136 pages.	
	21	Sony: DVD Home Theatre System Operating Instructions for DAV-DZ870W, Copyright 2008, 128 pages.	
	22	Sony Ericsson MS500 User Guide, Copyright 2009, 2 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Sony. Home Theatre System. HT-DDW790 and HT-DDW685 Operating Instructions, 2007, 64 pages.	
	24	Sony: Home Theatre System Operating Instructions for HT-IS100, Copyright 2008, 168 pages.	
	25	Sony: HT-IS100, 5.1 Channel Audio System, last updated November 2009, 2 pages.	
	26	Sony: Multi Channel AV Receiver Operating Instructions, 2007, 80 pages.	
	27	Sony: Multi Channel AV Receiver Operating Instructions for STR-DN1000, Copyright 2009, 136 pages.	
	28	Sony Shows Off Range of Home LANs, 15 December 2000, 1 page.	
	29	Sony: STR-DN1000, Audio Video Receiver, last updated August 2009, 2 pages.	
	30	Sony: Wireless Surround Kit Operating Instructions for WHAT-SA2, Copyright 2010, 56 pages.	
	31	Sound Blaster Wireless Music Network Setup, 28 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	32	Sound Blaster, Wireless Music. User's Guide: Creative Sound Blaster Wireless Music Version 1.0, August 2003, 66 pages.	
	33	Space.com. Tech Today: News about the latest gizmos and gadgets conveniently available on Earth, 14 February 2004, 2 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Squeezebox by Logitech. Owner's Guide, 2007, 32 pages. .	
	35	Squeezebox Duet Network Music System by Logitech. User Guide English (North America), 2008, 45 pages.	
	36	Squeezebox Network Music Player. Owner's Manual, Slim Devices, 2003, 22 pages.	
	37	Step-by-step P4 Connection. P4 Poster (without music), 5 pages [online], [retrieved on 2020-03-26]. Retrieved from the Internet URL: https://snarfed.org/p4_poster/index.html.	
	38	Steve Jobs introduces AirPort Express All Things D2 (2004) - YouTube available via https://www.youtube.com/watch?v=hq5_P90pOqo 3 pages, [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	39	Structured Media Components. Leviton Integrated Networks, last modified 10 April 2006, 28 pages.	
	40	Support. Manuals & Documentation. Micro Audio System MCW770/37. Philips. Copyright 2004-2020, 3 pages. [online], [retrieved on 2020-02-24]. Retrieved from the Internet URL: https://www.usa.philips.com/c-p/MCW770_37/-/support.	
	41	Synchronizing mp3 playback. 3 pages [online]. [retrieved on 2020-03-26]. Retrieved from the Internet URL: https://snarfed.org/synchronizing_mp3_playback.	
	42	TAYLOR, Marilou, "Long Island Sound," Audio Video Interiors, April 2000, 8 pages.	
	43	Technology. cd30 is developing products which implement NAVOS, allowing consumers to get better utility out of their home media libraries. 21 November 2003, 1 pages.	
	44	Teirikangas, Jussi. HAVi: Home Audio Video Interoperability. Helsinki University of Technology, 2001, 10 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Test Report No.: 23GE0067-HO-2. Appendix 1: Photographs of test setup, Conducted Emissions. 25 April 2003, 4 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	46	Thaler et al. Scalability and Synchronization in IEEE 1394-Based Content-Creation Networks. Audio Engineering Society Convention Paper 5461, 21-24 September 2001, 16 pages.	
	47	The Measurement of Conducted Spurious Emissions, Conducted Spurious Emissions Measurement, ADT No. 921020H02, 5 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	48	TOA Corporation, Digital Processor DP-0206 DACsys2000 Version 2.00 Software Instruction Manual, Copyright 2001, 67 pages.	
	49	TOA Electronics, Inc. DP-0206 Digital Signal Processor. DACsys 2000, 2001, 12 pages. .	
	50	Tom's Hardware Guide: Nachrichten. Nachrichten vom 10 Januar 2003, 3 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	6859538		2005-02-22	VOLTZ; Christopher	
	2	6873862		2005-03-29	RESHEFSKY; Marc Alan	
	3	6882335		2005-04-19	SAARINEN; Pertti	
	4	6898642		2005-05-24	CHAFLE; Girish Bhimrao et al.	
	5	6901439		2005-05-31	BONASIA; Gaetano et al.	
	6	6907458		2005-06-14	TOMASSETTI; Stephen Robert et al.	
	7	6910078		2005-06-21	RAMAN; Suchitra et al.	
	8	6912610		2005-06-28	SPENCER; Thomas Vincent	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	9	6915347		2005-07-05	HANKO; James G. et al.	
	10	6917592		2005-07-12	RAMANKUTTY; Rajesh et al.	
	11	6919771		2005-07-19	NAKAJIMA; Kouji	
	12	6920373		2005-07-19	XI; Ning et al.	
	13	6931557		2005-08-16	TOGAWA; Yoshifusa	
	14	6934766		2005-08-23	RUSSELL; Paul J.	
	15	6937988		2005-08-30	HEMKUMAR; Nariankadu Datatreya et al.	
	16	6950666		2005-09-27	ASAKAWA; Stuart D.	
	17	6965948		2005-11-15	ENEBORG; Mats et al.	
	18	6970481		2005-11-29	GRAY, III; Donald M. et al.	
	19	6970482		2005-11-29	KIM; Sung-Tae	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	20	6981259		2005-12-27	LUMAN; David J. et al.	
	21	6985694		2006-01-10	DE BONET; Jeremy S. et al.	
	22	6987767		2006-01-17	SAITO; Tatsunori	
	23	6993570		2006-01-31	IRANI; Boman	
	24	7006758		2006-02-28	YAMAMOTO; Kaoru et al.	
	25	7007106		2006-02-28	FLOOD; Mark et al.	
	26	7020791		2006-03-28	AWEYA; James et al.	
	27	7043477		2006-05-09	MERCER; IAN Cameron et al.	
	28	7043651		2006-05-09	AWEYA; James et al.	
	29	7046677		2006-05-16	MONTA; Peter et al.	
	30	7047308		2006-05-16	DESHPANDE; Sachin G.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	31	7054888		2006-05-30	LACHAPELLE; Kevin Leigh et al.	
	32	7058719		2006-06-06	MOTOYAMA; Tetsuro	
	33	7058889		2006-06-06	TROVATO; Karen I. et al.	
	34	7068596		2006-06-27	MOU; Hensen	
	35	7076204		2006-07-11	RICHENSTEIN; Lawrence et al.	
	36	7092528		2006-08-15	PATRICK; Kyle N. et al.	
	37	7092694		2006-08-15	GRIEP; Pieter Dingenis et al.	
	38	7096169		2006-08-22	CRUTCHFIELD; William G. et al.	
	39	7102513		2006-09-05	TASKIN; Metin Ismail et al.	
	40	7107442		2006-09-12	CHESHIRE; Stuart D.	
	41	7113999		2006-09-26	PESTONI; Florian et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	42	7115017		2006-10-03	LAURSEN; Thomas et al.	
	43	7120168		2006-10-10	ZIMMERMANN; Klaus	
	44	7123731		2006-10-17	COHEN; Yuval et al.	
	45	7130316		2006-10-31	KOVACEVIC; Branko D.	
	46	7130368		2006-10-31	AWEYA; James et al.	
	47	7130608		2006-10-31	HOLLSTROM; Magnus et al.	
	48	7130616		2006-10-31	JANIK; Craig M.	
	49	7136934		2006-11-14	CARTER; Harry Nick et al.	
	50	7139981		2006-11-21	MAYER; Theodore et al.	
	51	7143141		2006-11-28	MORGAN; Jeffrey A. et al.	
	52	7143939		2006-12-05	HENZERLING; David P.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	53	7146260		2006-12-05	PRESTON; DAN Alan et al.	
	54	7158488		2007-01-02	FUJIMORI; Junichi	
	55	7158783		2007-01-02	EGUCHI; Tadashi	
	56	7161939		2007-01-09	ISRAEL; David et al.	
	57	7162315		2007-01-09	GILBERT; Erik J.	
	58	7164694		2007-01-16	NODOUSHANI; Paiman et al.	
	59	7167765		2007-01-23	JANIK; Craig M.	
	60	7174157		2007-02-06	GASSHO; Kazuhito et al.	
	61	7184774		2007-02-27	ROBINSON; William Neil et al.	
	62	7185090		2007-02-27	KOWALSKI; John Michael et al.	
	63	7187947		2007-03-06	WHITE; Russell W. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	64	7188353		2007-03-06	CRINON; Regis J.	
	65	7197148		2007-03-27	NOURSE; James D. et al.	
	66	7206367		2007-04-17	MOORE; Daniel L. [Us] et al.	
	67	7206618		2007-04-17	LATTO; Antonio T. et al.	
	68	7206967		2007-04-17	MARTI; Philippe et al.	
	69	7209795		2007-04-24	SULLIVAN; Gary E. et al.	
	70	7215649		2007-05-08	YU; Robert et al.	
	71	7218708		2007-05-15	BEREZOWSKI; Andrew G. et al.	
	72	7218930		2007-05-15	KO; Ming-Chih et al.	
	73	7236739		2007-06-26	CHANG; Chin-Chi	
	74	7236773		2007-06-26	THOMAS; Graham	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	75	7246374		2007-07-17	SIMON; Daniel R. et al.	
	76	7251533		2007-07-31	YOON; Hong S. et al.	
	77	7257398		2007-08-14	UKITA; Yoshitaka et al.	
	78	7260616		2007-08-21	COOK; Fred S.	
	79	7263070		2007-08-28	DELKER; Jason et al.	
	80	7263110		2007-08-28	FUJISHIRO; Yoshiya	
	81	7269338		2007-09-11	JANEVSKI; Angel	
	82	7274761		2007-09-25	MULLER; Thomas et al.	
	83	7275156		2007-09-25	BALFANZ; Dirk et al.	
	84	7277547		2007-10-02	DELKER; Jason R. et al.	
	85	7286652		2007-10-23	AZRIEL; GAD et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	86	7289631		2007-10-30	ISHIDOSHIRO; Takashi	
	87	7293060		2007-11-06	KOMSI; Asko	
	88	7295548		2007-11-13	BLANK; William Thomas [Us] et al.	
	89	7305694		2007-12-04	COMMONS; Christopher et al.	
	90	7308188		2007-12-11	NAMATAME; Kazushi	
	91	7308489		2007-12-11	WEAST; John C.	
	92	7310334		2007-12-18	FITZGERALD; Cary et al.	
	93	7312785		2007-12-25	TSUK; Robert W. et al.	
	94	7313384		2007-12-25	MEENAN; Patrick et al.	
	95	7313593		2007-12-25	PULITO; Brian et al.	
	96	7319764		2008-01-15	REID; Glenn et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	97	7321784		2008-01-22	SERCEKI; Zeljko John et al.	
	98	7324857		2008-01-29	GODDARD; Mark D.	
	99	7330875		2008-02-12	PARASNIS; Shashank Mohan et al.	
	100	7333519		2008-02-19	SULLIVAN; Gary E. et al.	
	101	7356011		2008-04-08	WATERS; Christopher J. F. et al.	
	102	7359006		2008-04-15	XIANG; Shuhua et al.	
	103	7363363		2008-04-22	DAL CANTO; Mario et al.	
	104	7366206		2008-04-29	LOCKRIDGE; Terry Wayne et al.	
	105	7372846		2008-05-13	ZWACK; Eduard	
	106	7376834		2008-05-20	EDWARDS; W. Keith et al.	
	107	7383036		2008-06-03	KANG; Sung H. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	108	7391791		2008-06-24	BALASSANIAN; Edward et al.	
	109	7392102		2008-06-24	SULLIVAN; Gary E. et al.	
	110	7392387		2008-06-24	BALFANZ; Dirk et al.	
	111	7392481		2008-06-24	GEWICKEY; Greg et al.	
	112	7394480		2008-07-01	SONG; Young-Joong	
	113	7400644		2008-07-15	SAKAMOTO; Ichiro et al.	
	114	7400732		2008-07-15	STADDON; Jessica N. et al.	
	115	7412499		2008-08-12	CHANG; Chun-Shi et al.	
	116	7428310		2008-09-23	PARK; Jeong-Hyun	
	117	7430181		2008-09-30	HONG; Jay Wu	
	118	7433324		2008-10-07	SWITZER; David et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	119	7434166		2008-10-07	ACHARYA; Shrikant et al.	
	120	7454619		2008-11-18	SMETTERS; Diana K. et al.	
	121	7457948		2008-11-25	BILICKSA; Carl et al.	
	122	7469139		2008-12-23	VAN DE GROENENDAAL; Joannes G.	
	123	7472058		2008-12-30	TSENG; Wei-Hsin et al.	
	124	7474677		2009-01-06	TROTT; Christian A.	
	125	7483538		2009-01-27	McCARTY; William A. et al.	
	126	7483540		2009-01-27	RABINOWITZ; William M. et al.	
	127	7483958		2009-01-27	ELABBADY; Tarek Z. et al.	
	128	7492912		2009-02-17	CHUNG; YUN M. et al.	
	129	7505889		2009-03-17	SALMONSEN; Daniel R. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	130	7509181		2009-03-24	CHAMPION; Mark	
	131	7519667		2009-04-14	CAPPS; Stephen P.	
	132	7532862		2009-05-12	CHESHIRE; Stuart D.	
	133	7548744		2009-06-16	OESTERLING; Christopher L. et al.	
	134	7548851		2009-06-16	LAU; Jack et al.	
	135	7558224		2009-07-07	SURAZSKI; Luke K. et al.	
	136	7558635		2009-07-07	THIEL; Steffen et al.	
	137	7561697		2009-07-14	HARRIS; Scott C.	
	138	7571014		2009-08-04	LAMBOURNE; Robert A. et al.	
	139	7574274		2009-08-11	HOLMES; Stephen G.	
	140	7581096		2009-08-25	BALFANZ; Dirk et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	141	7599685		2009-10-06	GOLDBERG; David et al.	
	142	7606174		2009-10-20	OCHI; Mitsunori et al.	
	143	7607091		2009-10-20	SONG; Young-Wun et al.	
	144	7627825		2009-12-01	KAKUDA; Hiroshi	
	145	7630501		2009-12-08	BLANK; William TOM [Us] et al.	
	146	7631119		2009-12-08	MOORE; Jeffrey C. et al.	
	147	7634093		2009-12-15	McGRATH; David Stanley	
	148	7643894		2010-01-05	BRAITHWAITE; Michael et al.	
	149	7653344		2010-01-26	FELDMAN; Theodore Philip et al.	
	150	7657224		2010-02-02	GOLDBERG; David et al.	
	151	7657255		2010-02-02	ABEL; Miller T. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	152	7657644		2010-02-02	ZHENG; Qinghua	
	153	7657910		2010-02-02	MCAULAY; Roger et al.	
	154	7665115		2010-02-16	GALLO; Kevin T. et al.	
	155	7668990		2010-02-23	KRZYZANOWSKI; Paul et al.	
	156	7669113		2010-02-23	MOORE; Jeff et al.	
	157	7669219		2010-02-23	SCOTT; Samuel T.Iii et al.	
	158	7672470		2010-03-02	LEE; Jae-Hoon	
	159	7675943		2010-03-09	MOSIG; Rudiger et al.	
	160	7676044		2010-03-09	SASAKI; Toru [Jp] et al.	
	161	7676142		2010-03-09	HUNG; Andy Chao	
	162	7688306		2010-03-30	WEHRENBERG; Paul J. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	163	7689304		2010-03-30	SASAKI; Yoshio	
	164	7689305		2010-03-30	KREIFELDT; Richard A. et al.	
	165	7690017		2010-03-30	STECYK; Polly et al.	
	166	7702279		2010-04-20	KO; Steve et al.	
	167	7702403		2010-04-20	GLADWIN; Stephen Christopher et al.	
	168	7710941		2010-05-04	RIETSCHEL; Johannes et al.	
	169	7711774		2010-05-04	ROTHSCHILD; Leigh M.	
	170	7716375		2010-05-11	BLUM; Philipp et al.	
	171	7720096		2010-05-18	KLEMETS; Anders E.	
	172	7721032		2010-05-18	BUSHELL; John Samuel et al.	
	173	7742740		2010-06-22	GOLDBERG; David et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	174	7743009		2010-06-22	HANGARTNER; Rick et al.	
	175	7746906		2010-06-29	JINZAKI; Akira et al.	
	176	7752329		2010-07-06	MEENAN; Patrick et al.	
	177	7756743		2010-07-13	LAPCEVIC; Thomas G.	
	178	7757076		2010-07-13	STEWART; Paul J. et al.	
	179	7761176		2010-07-20	BEN-YAACOV; Yaacov et al.	
	180	7765315		2010-07-27	BATSON; James D. et al.	
	181	7792311		2010-09-07	HOLMGREN; Steve F. et al.	
	182	7793206		2010-09-07	LIM; SEH E. et al.	
	183	7827259		2010-11-02	HELLER; David et al.	
	184	7831054		2010-11-09	BALL; Steven J. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	185	7835689		2010-11-16	GOLDBERG; David et al.	
	186	7853341		2010-12-14	MCCARTY; William A. et al.	
	187	7865137		2011-01-04	GOLDBERG; David et al.	
	188	7882234		2011-02-01	WATANABE; Mitsuhiro et al.	
	189	7885622		2011-02-08	KRAMPF; Steven S. et al.	
	190	7899656		2011-03-01	CRUTCHFIELD, Jr.; William G.	
	191	7904720		2011-03-08	SMETTERS; Diana Kathryn et al.	
	192	7907736		2011-03-15	YUEN; Thomas C. K. et al.	
	193	7907819		2011-03-15	ANDO; Hideo et al.	
	194	7916861		2011-03-29	CONLEY; Kenneth W. et al.	
	195	7916877		2011-03-29	GOLDBERG; David et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	196	7917082		2011-03-29	GOLDBERG; David et al.	
	197	7933418		2011-04-26	MORISHIMA; Morito	
	198	7934239		2011-04-26	DAGMAN; Vadim	
	199	7937089		2011-05-03	SMETTERS; Diana K. et al.	
	200	7937752		2011-05-03	BALFANZ; Dirk et al.	
	201	7945143		2011-05-17	YAHATA; Hiroshi et al.	
	202	7945636		2011-05-17	NELSON; Hortense Kathleen et al.	
	203	7945708		2011-05-17	OHKITA; Hideki	
	204	7958441		2011-06-07	HELLER; David [Us] et al.	
	205	7966388		2011-06-21	PUGACZEWSKI; John T. et al.	
	206	7987294		2011-07-26	BRYCE; Stuart et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	207	7995732		2011-08-09	KOCH; Robert et al.	
	208	7996566		2011-08-09	SYLVAIN; Dany et al.	
	209	7996588		2011-08-09	SUBBIAH; Baranitharan et al.	
	210	8014423		2011-09-06	THALER; Thomas et al.	
	211	8015306		2011-09-06	BOWMAN; Timothy D.	
	212	8020023		2011-09-13	MILLINGTON; Nicholas A.J et al.	
	213	8023663		2011-09-20	GOLDBERG; David	
	214	8028038		2011-09-27	WEEL; Martin	
	215	8028323		2011-09-27	WEEL; Martin	
	216	8041062		2011-10-18	COHEN; Ephram et al.	
	217	8045721		2011-10-25	BURGAN; John M. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	218	8045952		2011-10-25	QURESHEY; Safi et al.	
	219	8050203		2011-11-01	JACOBSEN; Phillip et al.	
	220	8050652		2011-11-01	QURESHEY; Safi et al.	
	221	8055364		2011-11-08	CHAMPION; Mark	
	222	8064904		2011-11-22	JAIN; Nikhil et al.	
	223	8074253		2011-12-06	NATHAN; GUY	
	224	8086752		2011-12-27	MILLINGTON; Nicholas A.J et al.	
	225	8090317		2012-01-03	BURGE; Benjamin D. et al.	
	226	8103009		2012-01-24	MCCARTY; William A. et al.	
	227	8111132		2012-02-07	ALLEN; William A. et al.	
	228	8112032		2012-02-07	KO; Steve et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	229	8116476		2012-02-14	INOHARA; Yuichi	
	230	8126172		2012-02-28	HORBACH; Ulrich et al.	
	231	8131389		2012-03-06	HARDWICK; John C. et al.	
	232	8131390		2012-03-06	BRAITHWAITE; Michael et al.	
	233	8134650		2012-03-13	MAXSON; Brian D. et al.	
	234	8144883		2012-03-27	PDERSEN; JAN A. et al.	
	235	8148622		2012-04-03	ROTHKOPF; Fletcher R. et al.	
	236	8150079		2012-04-03	MAEDA; Kazuhiro et al.	
	237	8156337		2012-04-10	BALFANZ; Dirk et al.	
	238	8169938		2012-05-01	DUCHSCHER; ROB et al.	
	239	8170222		2012-05-01	DUNKO; Gregory A.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	240	8170260		2012-05-01	REINING; Friedrich et al.	
	241	8175297		2012-05-08	HO; Harvey et al.	
	242	8185674		2012-05-22	MOORE; Jeffrey C. et al.	
	243	8194874		2012-06-05	STAROBIN; Bradley M. et al.	
	244	8204890		2012-06-19	GOGAN; Brian [Us] et al.	
	245	8208653		2012-06-26	EO; Kil-Su et al.	
	246	8214447		2012-07-03	DESLIPPE; Mark H. et al.	
	247	8214740		2012-07-03	JOHNSON; Timothy	
	248	8214873		2012-07-03	WEEL; Martin	
	249	8218790		2012-07-10	BULL; William et al.	
	250	8230099		2012-07-24	WEEL; Martin	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	251	8233029		2012-07-31	YOSHIDA; Junji et al.	
	252	8233648		2012-07-31	SOREK; Noam et al.	
	253	8234395		2012-07-31	MILLINGTON; Nicholas A. J.	
	254	8239748		2012-08-07	MOORE; Jeff et al.	
	255	8250218		2012-08-21	WATANABE; Mitsuhiro et al.	
	256	8279709		2012-10-02	CHOISEL; Sylvain et al.	
	257	8281001		2012-10-02	BUSAM; Vincent R. et al.	
	258	8285404		2012-10-09	KEKKI; Samuli T.	
	259	8290603		2012-10-16	LAMBOURNE; Robert A.	
	260	8300845		2012-10-30	ZUREK; Robert et al.	
	261	8311226		2012-11-13	LORGEOUX; Mickael et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	262	8315555		2012-11-20	KO; Steve et al.	
	263	8316147		2012-11-20	BATSON; James D. et al.	
	264	8325931		2012-12-04	HOWARD; Damian et al.	
	265	8326951		2012-12-04	MILLINGTON; Nicholas A. J. et al.	
	266	8340330		2012-12-25	YOON; Eung-Sik et al.	
	267	8345709		2013-01-01	NITZPON; Hans-Juergen et al.	
	268	8364295		2013-01-29	BECKMANN; Paul E. et al.	
	269	8370678		2013-02-05	MILLINGTON; Nicholas A. J. et al.	
	270	8374595		2013-02-12	CHIEN; Chih-Ling et al.	
	271	8407623		2013-03-26	KERR; Duncan et al.	
	272	8411883		2013-04-02	MATSUMOTO; Keishi	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	273	8423659		2013-04-16	MILLINGTON; Nicholas A. J.	
	274	8423893		2013-04-16	RAMSAY; Max Gordon et al.	
	275	8432851		2013-04-30	XU; Guijin et al.	
	276	8433076		2013-04-30	ZUREK; Robert et al.	
	277	8442239		2013-05-14	BRUELLE-DREWS; Christian et al.	
	278	8457334		2013-06-04	YOON; Eung-Sik et al.	
	279	8463184		2013-06-11	DUA; Robin	
	280	8463875		2013-06-11	KATZ; Hagay et al.	
	281	8473844		2013-06-25	KREIFELDT; Richard A. et al.	
	282	8477958		2013-07-02	MOELLER; Klaus R. et al.	
	283	8483853		2013-07-09	LAMBOURNE; Robert A.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	284	8509211		2013-08-13	TROTTER; John et al.	
	285	8509463		2013-08-13	GOH; Aik Hee Daniel et al.	
	286	8515389		2013-08-20	SMETTERS; Diana K. et al.	
	287	8520870		2013-08-27	SATO; Katsuyuki et al.	
	288	8565455		2013-10-22	WORRELL; Devon et al.	
	289	8577048		2013-11-05	CHAIKIN; Peter et al.	
	290	8588949		2013-11-19	LAMBOURNE; Robert A. et al.	
	291	8600084		2013-12-03	GARRETT; James E.	
	292	8601394		2013-12-03	SHEEHAN; Conor et al.	
	293	8611559		2013-12-17	SANDERS; Christopher	
	294	8615091		2013-12-24	TERWAL; Remco	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	295	8639830		2014-01-28	BOWMAN; Timothy D.	
	296	8654995		2014-02-18	SILBER; Michael W. et al.	
	297	8672744		2014-03-18	GRONKOWSKI; Timothy T. et al.	
	298	8683009		2014-03-25	NG; Stanley et al.	
	299	8688431		2014-04-01	LYONS; Kenneth S. et al.	
	300	8731206		2014-05-20	PARK; Keun Young	

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	0237217	WO	A2	2002-05-10	SONY ELECTRONICS INC [US]		
	2	03093950	WO	A2	2003-11-13	GOLDBERG DAVID [US], et al.		
	3	03096741	WO	A2	2003-11-20	BRAITHWAITE MICHAEL [US], et al.		
	4	199525313	WO		1995-09-21	INTERNATIONAL BUSINESS MACHINE CORPORATION.		
	5	1999023560	WO		1999-05-14	COLLABORATION PROPERTIES, INC.		
	6	199961985	WO		1999-12-02	THE DOW CHEMICAL COMPANY.		
	7	200153994	WO		2001-07-26	FRISKIT, INC.		
	8	2003093950	WO	A2	2003-11-13	GOLDBERG, BENJAMIN, M. et al.		
	9	2005013047	WO	A2	2005-02-10	SONOS INC [US], et al.		
	10	2007023120	WO	A1	2007-03-01	SONY ERICSSON MOBILE COMM AB [SE], et al.		
	11	2007127485	WO		2007-11-08	MICROSOFT CORPORATION.		

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	2007131555	WO		2007-11-22	SONY ERICSOON MOBILE COMMUNICATIONS AB.		
	13	2007135581	WO	A2	2007-11-29	KONINKL PHILIPS ELECTRONICS NV [NL], et al.		
	14	2008046530	WO	A2	2008-04-24	FRAUNHOFER GES FORSCHUNG [DE], et al.		
	15	2008082350	WO	A1	2008-07-10	SCANIA CV ABP [SE], et al.		
	16	2008114389	WO	A1	2008-09-25	PIONEER CORPORATION.		
	17	2012050927	WO		2012-04-19	BEYOND OBLIVION INC.		
	18	2014004182	WO		2014-01-03	SONOS, INC.		
	19	2014149533	WO	A2	2014-09-25	BOSE CORPORATION.		
	20	9709756	WO	A2	1997-03-13	BUCALO BRIAN D [US], et al.		

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Apple. NewsRoom, Apple Ships New AirPort Express with AirTunes. 14 July 2004, 3 pages.	
	2	Apple. NewsRoom, Apple Unveils AirPort Express for Mac & PC Users. 7 June 2004, 3 pages.	
	3	Apple. NewsRoom, Developers Rapidly Adopt Apple's Rendezvous Networking Technology, 10 September 2002, 3 pages.	
	4	Apple WWDC 2003 Session 105 - Rendezvous - YouTube available via https://www.youtube.com/watch?v=Ge5bsDijGWM [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	5	Ashcraft et al. P4 Protocol Specification vo.2. April 6, 2002, 11 pages [online]. [retrieved on 2020-03-26]. Retrieved from the Internet URL: https://snarfed.org/p4protocol.	
	6	Audio Authority. Access EZ: Demonstration Network. Home Audio and Video System Installation Manual, 60 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	7	Audio Authority: How to Install and Use the Model 1154 Signal Sensing Auto Selector, 2002, 4 pages.	
	8	Audio Authority: Model 1154B High Definition AV Auto Selector, 2008, 8 pages.	
	9	AudioPoint from Home Director. Play Digital Music on Your Conventional Stereo System, 2002, 2 pages. .	
	10	AudioPoint, Welcome to the coolest way to listen to digital music over your conventional stereo equipment, Home Director HD00B02, 2002, 2 pages.	
	11	AudioSource: AMP 100 User Manual, 2003, 4 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	AudioTron Quick Start Guide, Version 1.0, March 2001, 24 pages.	
	13	AudioTron Reference Manual, Version 3.0, May 2002, 70 pages.	
	14	AudioTron Setup Guide, Version 3.0, May 2002, 38 pages.	
	15	Automatic Profile Hunting Functional Description, AVAGO0013, Agere Systems, February 2004, 2 pages.	
	16	"A/V Surround Receiver AVR-5800," Denon Electronics, 2000, 2 pages.	
	17	"A/V System Controleer, Owner's Manual," B&K Compontents, Ltd., 1998, 52 pages.	
	18	AVTransport:1 Service Template Version 1.01 For UPnP, Version 1.0 (June 25, 2002) (66 pages).	
	19	AXIS Communication: AXIS P8221 Network I/O Audio Module, 2009, 41 pages.	
	20	BALDWIN, Roberto. "How-To: Setup iTunes DJ on Your Max and iPhone", available at http://www.maclife.com/article/howtos/howto_setup_itunes_dj_your_mac_and_iphone, archived on 3/17/ 2009, 4 pages.	
	21	BALFANZ et al., "Network-in-a-Box: How to Set Up a Secure Wireless Network in Under a Minute," 13th USENIX Security Symposium - Technical Paper, 2002, 23 pages.	
	22	BALFANZ et al., "Talking To Strangers: Authentication in Ad-Hoc Wireless Networks," Xerox Palo Alto Research Center, 2002, 13 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	BARHAM et al., "Wide Area Audio Synchronisation," University of Cambridge Computer Laboratory, 1995, 5 pages.	
	24	Barix Download Exstreamer Software. Accessed via WayBack Machine, April 6, 2003. http://www.barix.com/estreamer/software.download.html. 2 pages. .	
	25	Barix. Exstreamer Datasheet. Accessed via WayBack Machine, April 2, 2003. http://www.barix.com/exstreamer/, 1 page.	
	26	Barret, Ryan. P4 Proposal :CS194 Project Proposal. Toward an Application-Independent Distributed Network Platform. April 9, 2002, 4 pages [online]. [retrieved on 2020-03-26]. Retrieved from the Internet URL: https://snarfed.org/p4proposal. .	
	27	Barrett, Ryan. (no title) Blog on P4Sync network and code, 1 page [online], [retrieved on 2020-03-26]. Retrieved from the Internet URL: https://snarfed.org.p4.	
	28	BAUDISCH et al., "Flat Volume Control: Improving Usability by Hiding the Volume Control Hierarchy in the User Interface," 2004, 8 pages.	
	29	Beatty et al. Web Services Dynamic Discovery WS-Discovery, February 2004, 35 pages.	
	30	BENSLIMANE Abderrahim, "A Multimedia Synchronization Protocol for Multicast Groups," Proceedings of the 26th Euromicro Conference, 2000, pp. 456-463, Vol. 1.	
	31	BIERSACK et al., "Intra- and Inter-Stream Synchronization for Stored Multimedia Streams," IEEE International Conference on Multimedia Computing and Systems, 1996, pp. 372-381.	
	32	BLAKOWSKI G. et al., "A Media Synchronization Survey: Reference Model, Specification, and Case Studies," January 1996, pp. 5-35, Vol. 14, No. 1.	
	33	Blau, John. News Analysis, Wi-Fi Hotspot Networks Sprout Like Mushrooms, September 2002, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Bluetooth. "Specification of the Bluetooth System: The ad hoc SCATTERNET for affordable and highly functional wireless connectivity," Core, Version 1.0 A, 26 July 1999, 1068 pages.	
	35	Bluetooth. "Specification of the Bluetooth System: Wireless connections made easy," Core, Version 1.0 B, 1 December 1999, 1076 pages.	
	36	Bluetooth Specification. Advanced Audio Distribution Profile (A2DP) Specification, 2007, 73 pages.	
	37	Bogen Communications, Inc., ProMatrix Digitally Matrixed Amplifier Model PM3180, Copyright1996, 2 pages.	
	38	BoomBottle MM Blue Hatch 2 -Pack. Blue Hatch Waterproof Dual Pairing Wireless Speakers each with Built-in-MagicMount, 4 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	39	Bootcamp. Digital Music on Your Stereo System. 10 January 2003, 1 page.	
	40	Boraks, David. A Glimpse of the Digital Future Technology Execs Play Prognosticators at Law Vegas Show, NewsRoom. 7 January 2000, 3 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	41	Bose Lifestyle SA-2 and SA-3 Stereo Amplifier Owner's Guide, 2004, 32 pages. .	
	42	Bose. The Bose Lifestyle 50 System. Owner's Guide, October 17, 2001, 55 pages.	
	43	Bose. The Bose Lifestyle Powered Speaker System. Owner's Guide. 20 December 2001, 19 pages.	
	44	Bose. The Bose Lifestyle Powered Speaker System. Owner's Guide, December 20, 2001, 19 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	BRASSIL et al., "Enhancing Internet Streaming Media with Cueing Protocols," 2000, 9 pages.	
	46	BREEBAART et al., "Multi-Channel Goes Mobile: MPEG Surround Binaural Rendering," AES 29th International Conference, September 2-4, 2006, pp. 1-13.	
	47	BRETL W.E., et al., MPEG2 Tutorial [online], 2000 [retrieved on 2009-01-13] Retrieved from the Internet:(http://www.bretl.com/mpeghtml/MPEGindex.htm), pp. 1-23.	
	48	BridgeCo - Wireless Loudspeaker Product Information Version 1.4, 16 December 2003, 5 pages.	
	49	BridgeCo. Audio Adapter, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	50	BridgeCo. BridgeCo Launches UPnP-Compliant Wireless Audio Adapter: Moving More Digital Audio to More Devices in More Locations, Wirelessly. 16 September 2003, 1 page.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Trask, Simon. NewsRoom, Pro Sound News Europe, Bluetooth to drive wireless speakers, Volume 18; Issue 6, 1 June 2003, 2 pages.	
	2	Truong and Vannuccini. The IEEE 802.11e MAC for Quality of Service in Wireless LANs. IBM Research, Zurich Research Library, 6 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	3	Tsai et al. SIM-based Subscriber Authentication for Wireless Local Area Networks, 2003, 6 pages.	
	4	UL An Affiliate of Underwriters Laboratories Inc. FCC ID: A6RMCX1000A 19 May 2003, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	5	UL Apex Co., Ltd. EMI Test Report, Test Report No.: 23GE0067-HO-2, Yamaha Digital Audio Server MCX-1000, 25 April 2003, 54 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	6	Understanding Universal Plug and Play, Microsoft White Paper (June 2000) (D+M_0402074-118) (45 pages).	
	7	UNITED STATES PATENT AND TRADEMARK OFFICE, U.S. Provisional Application No. 60/378,415 filed on 06 May 2002, entitled "Localized Audio Networks and Assoiciated Digital Accessories," 33 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	8	UNITED STATES PATENT AND TRADEMARK OFFICE, U.S. Provisional Application No. 60/379,313 filed on 09 May 2002, entitled "Audio Network Distribution System," 50 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	9	UNITED STATES PATENT AND TRADEMARK OFFICE, U.S. Provisional Application No. 60/388,887 filed on 14 June 2002, entitled "Localized Audio Networks and Associated Digital Accessories," 42 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	10	UNITED STATES PATENT AND TRADEMARK OFFICE, U.S. Provisional Application No. 60/452,230 filed on 4 March 2003, entitled "Localized Audio Networks and Associated Digital Accessories," 104 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	11	UNITED STATES PATENT AND TRADEMARK OFFICE, U.S. Provisional Application No. 60/490,768 filed on 28 July 2003, entitled "Method for synchronizing audio playback between multiple networked devices," 13 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	UNITED STATES PATENT AND TRADEMARK OFFICE, U.S. Provisional Application No. 60/825,407 filed on 12 September 2006, entitled "Controlling and manipulating groupings in a multi-zone music or media system," 82 pages.	
	13	Universal Plug and Play Device Architecture V. 1.0, (June 8, 2000) (54 pages).	
	14	Universal Plug and Play in Windows XP, Tom Fout. Microsoft Corporation (July 2001) (D+M_0402041-73) (33 pages).	
	15	Universal Plug and Play ("UPnP") AV Architecture:1 For UPnP, Version 1.0, (June 25, 2002) (D+M_0298151-72) (22 pages).	
	16	Universal Plug and Play Vendor's Implementation Guide (January 5, 2000) (7 pages).	
	17	Universal Scientific Industrial Co., Ltd., FCC ID: IXMWAA-B-AGB-01, Federal Communications Commission, Confidentiality Request, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	18	Universal Scientific Industrial Co., Ltd., ID Label for USI WAA, USI WAA-B-AGB-01, FCC ID: IXMWAA-B-AGB-01, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	19	Universal Scientific Industrial Co., Ltd., Label Location, USI WAA-B-AGB-01, FCC ID: IXMWAA-B-AGB-01, 30 October 2003, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	20	Universal Scientific Industrial Co., Ltd., Power of Attorney, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	21	Universal Serial Bus Specification Revision 2.0 April 27, 2000, 650 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	22	"UPnP and Sonos Questions," Sonos Community, December 2006, 5 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	UPnP AV Architecture:0.83 For UPnP Version 1.0, 12 June 2002, copyright 2000, 22 pages. .	
	24	UPnP AV Architecture:0.83 (June 12, 2002) (SONDM000115483-504) (22 pages).	
	25	UPnP Design by Example, A Software Developers Guide to Universal Plug and Play Michael Jeronimo and JackWeast, Intel Press (D+M_0401307-818) (April 2003) (511 pages).	
	26	UPnP Forum. UPnP Device Architecture 1.0. October 15, 2008, 80 pages.	
	27	UPnP; "Universal Plug and Play Device Architecture," 08 June 2000; version 1.0; Microsoft Corporation; pp 1-54.	
	28	Urien et al. EAP-TLS Smartcards, from Dream to Reality, 4th Workshop on Applications and Services in Wireless Networks, 9 August 2004, 19 pages.	
	29	Valtchev et al. In Home Networking, Service Gateway Architecture for a Smart Home, April 2002, 7 pages.	
	30	WANCommonInterfaceConfig:1 Service Template Version 1.01 For UPnP, Ver. 1.0 (November 12, 2001) (D +M_0401820-43) (24 pages).	
	31	WANIPConnection:1 Service Template Version 1.01 For UPnP Ver. 1.0 (November 12, 2001) (D+M_0401844-917) (74 pages).	
	32	WANPPPConnection:1 Service Template Version 1.01 For UPnP, Version 1.0 (November 12, 2001) (D +M_0401918-2006) (89 pages).	
	33	WaveLan High-Speed Multimode Chip Set, AVAGO0003, Agere Systems, February 2003, 4 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	WaveLan High-Speed Multimode Chip Set, AVAGO0005, Agere Systems, February 2003, 4 pages.	
	35	WaveLAN Wireless Integration Developer Kit (WI-DK) for Access Point Developers, AVAGO0054, Agere Systems, July 2003, 2 pages.	
	36	WaveLAN Wireless Integration-Developer Kit (WI-DK) Hardware Control Function (HCF), AVAGO0052, Agere Systems, July 2003, 2 pages.	
	37	"Welcome. You're watching Apple TV." Apple TV 1st Generation Setup Guide, 8 April 2008 http://manuals.info.apple.com/MANUALS/0/MA403/en_US/AppleTV_SetupGuide.pdf Retrieved 10/14/14, 40 pages.	
	38	"Welcome. You're watching Apple TV." Apple TV 2nd Generation Setup Guide, 10 March 2011 Retrieved 10/16/14, 36 pages.	
	39	"Welcome. You're watching Apple TV." Apple TV 3rd Generation Setup Guide, 16 March 2012 Retrieved 10/16/14, 36 pages.	
	40	Weverka et al. Windows XP Gigabook for Dummies. Wiley Publishing, Inc. 2004, 915 pages.	
	41	WI-DK Release 2 WaveLan Embedded Drivers for VxWorks and Linux, AVAGO0056, Agere Systems, July 2003, 2 pages.	
	42	WI-DK Release 2 WaveLan END Reference Driver for VxWorks, AVAGO0044, Agere Systems, July 2003, 4 pages.	
	43	WI-DK Release 2 WaveLan LKM Reference Drivers for Linux, AVAGO0048, Agere Systems, July 2003, 4 pages.	
	44	Wi-Fi Alliance. Wi-Fi Protected Setup Specification, Version 1.0h, December 2006, 110 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Wildstrom, Stephen. At CES, Cool Tech Still Rules. BusinessWeek Online, 13 January 2003, 3 pages.	
	46	Wilkins, N., SMC SMCWMR-AG EZ-Stream (wireless) review. CNET, 8 February 2004, 3 pages.	
	47	Wilkins, N., SMC SMCWMR-AG EZ-Stream (wireless) review. CNET, 8 February 2004, 5 pages.	
	48	Williams, A. Zero Configuration Networking. Requirements for Automatic Configuration of IP Hosts, 19 September 2002, 19 pages.	
	49	Williams, Stephen. NewsRoom, Going Wireless, 21 October 2003, 2 pages.	
	50	Williams, Stephen. NewsRoom, Newsday, As Wireless Evolves, Compatibility is Key, 21 July 2003, 3 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Windows Media Connect Device Compatibility Specification (April 12, 2004) (16 pages).	
	2	Windows XP: The Complete Reference - Chapter 19 Working with Sound, 6 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	3	Wired. Total Remote Control, Issue 11.06, June 2003, 2 pages.	
	4	Wireless Home Audio Director. Wireless N Music Player with Integrated Amplifier DMC250. Datasheet. Linksys by Cisco. Fill Your Home with Music, 2008, 2 pages. .	
	5	Wireless Music Console Network Setup, 8 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	6	Wireless USB Adapter 11g CPWUA054, CPWUA054|00, CPWUA054|37, User Manual, Version: 1.0, December 2003, 29 pages.	
	7	WPA Reauthentication Rates, AVAGO0063, Agere Systems, February 2004, 3 pages.	
	8	Yahoo Finance. BridgeCo Successfully Commercializes its BeBoB Application for the Music Industry: Four Manufacturers Demonstrate BeBoB-enabled Products at NAMM 2004. 16 January 2004, 3 pages.	
	9	Yahoo Groups. Exstreamer. Barix Exstreamer. Access via Wayback Machine http://groups.yahoo.com/group/exstreamer/ December 22, 2013, 1 page. .	
	10	Yamaha Corporation. Declaration of Dedicated RF card requirement to American Telecommunications Certification Body, Inc. 16 May 2003, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	11	YAMAHA CORPORATION. Internal Photo, FCC ID: A6RMCX1000A, 5 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Yamaha Corporation. Letter of Agency to American Telecommunications Certification Body, Inc. 10 April 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	13	YAMAHA CORPORATION. RF Exposure Statement No. 23GE0067-HO-2, Digital Audio Server, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	14	Yamaha. Digital Audio Server, MCX-1000, Owner's Manual, 1996-2002, 148 pages.	
	15	Yamaha DME 32 manual: copyright 2001.	
	16	Yamaha DME 64 Owner's Manual; copyright 2004, 80 pages.	
	17	Yamaha DME Designer 3.0 Owner's Manual; Copyright 2008, 501 pages.	
	18	Yamaha DME Designer 3.5 setup manual guide; copyright 2004, 16 pages.	
	19	Yamaha DME Designer 3.5 User Manual; Copyright 2004, 507 pages.	
	20	Yamaha DME Designer software manual: Copyright 2004, 482 pages.	
	21	Yamaha. Manufacturer's Letter 10 April 2003, 2 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	22	Yamaha MCX-1000 FCC ID: ABFIMCX10000A, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Yamaha MusicCAST Digital Audio Server MCX-1000 Owner's Manual, Copyright 1996-2002, 148 pages.	
	24	Yamaha, MusicCAST: Digital Audio Terminal MCX-A10, Owner's Manual. 4 June 2003, 76 pages.	
	25	Yamaha Personal Receiver RP-U200 Operation Manual ("Operation Manual"), Copyright 1992-1997, 57 pages.	
	26	Yamaha. Request for Confidentiality. 10 April 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	27	"Symantec pcAnywhere User's Guide," v 10.5.1, 1995-2002, 154 pages.	
	28	"Systemline Modular Installation Guide, Multiroom System," Systemline, 2003, pp. 1-22.	
	29	Zero Configuration Networking - Zeroconf. www.zeroconf.org, 4 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	30	Zero Configuration networking with Bonjour -YouTube available via https://www.youtube.com/watch?v=ZhtZJ6EsCXo 3 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	31	Zeroconf Working Group, Dynamic Configuration of IPv4 Link-Local Addresses, Internet-Draft, 8 July 2004, 62 pages.	
	32	Zeroconf Working Group, Dynamic Configuration of IPv4 Link-Local Addresses, Internet-Draft, 1 July 2004, 60 pages.	
	33	Zeroconf Working Group, Dynamic Configuration of IPv4 Link-Local Addresses, Internet-Draft, 7 June 2004, 62 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Zeroconf Working Group, Dynamic Configuration of Link-Local IPv4 Addresses, Internet-Draft, 16 February 2004, 60 pages.	
	35	Zeroconf Working Group, Dynamic Configuration of Link-Local IPv4 Addresses, Internet-Draft, 31 March 2004, 60 pages.	
	36	"ZR-8630AV MultiZone Audio/Video Receiver, Installation and Operation Guide," Niles Audio Corporation, 2003, 86 pages.	
	37	ZX135: Installation Manual,LA Audio, April 2003, 44 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	8750282		2014-06-10	GELTER; Aaron et al.	
	2	8751026		2014-06-10	SATO; Teppei et al.	
	3	8762565		2014-06-24	TOGASHI; Ryuichiro et al.	
	4	8768252		2014-07-01	WATSON; Clarke S. et al.	
	5	8775546		2014-07-08	MILLINGTON; Nicholas A. J.	
	6	8797926		2014-08-05	KEARNEY, III; Philip F. et al.	
	7	8818538		2014-08-26	SAKATA; Junichiro	
	8	8819554		2014-08-26	BASSO; Andrea et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	9	8831761		2014-09-09	KEMP; Thomas et al.	
	10	8843586		2014-09-23	PANTOS; Roger et al.	
	11	8861739		2014-10-14	OJANPERA; Juha P.	
	12	8868698		2014-10-21	MILLINGTON; Nicholas A. J. et al.	
	13	8885851		2014-11-11	WESTENBROEK; Marcel	
	14	8904066		2014-12-02	MOORE; Jeffrey C. et al.	
	15	8917877		2014-12-23	HAAFF; Olle et al.	
	16	8930006		2015-01-06	HAATAINEN; Niko	
	17	8934647		2015-01-13	JOYCE; John et al.	
	18	8934655		2015-01-13	BREEN; John J. et al.	
	19	8942252		2015-01-27	BALASSANIAN; Edward et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	20	8942395		2015-01-27	LISSAMAN; Geoff et al.	
	21	8954177		2015-02-10	SANDERS; Christopher John	
	22	8965544		2015-02-24	RAMSAY; Max Gordon	
	23	8966394		2015-02-24	GATES; Patrick et al.	
	24	9014833		2015-04-21	GOH; Aik Hee Daniel et al.	
	25	9042556		2015-05-26	KALLAI; Christopher [Us] et al.	
	26	9078281		2015-07-07	MATSUDA; Makoto et al.	
	27	9130770		2015-09-08	MILLINGTON; Nicholas A.J et al.	
	28	9137602		2015-09-15	MAYMAN; Avrum G. et al.	
	29	9160965		2015-10-13	REDMANN; William Gibbens et al.	
	30	9195258		2015-11-24	MILLINGTON; Nicholas A. J.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	31	9456243		2016-09-27	HUGHES; Gary et al.	
	32	9507780		2016-11-29	ROTHKOPF; Fletcher R. [Us] et al.	
	33	9560448		2017-01-31	HARTUNG; Klaus	
	34	9998321		2018-06-12	CHESHIRE; Stuart D.	
	35	10,133,536		2018-11-20	MILLINGTON; Nicholas A. J.	
	36	10,157,033		2018-12-18	MILLINGTON; Nicholas A. J.	
	37	10,175,930		2019-01-08	MILLINGTON; Nicholas A. J.	

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20010001160		2001-05-10	SHOFF; Daniel J. et al.	
	2	20010009604		2001-07-26	ANDO; Hideo et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	3	20010022823		2001-09-20	RENAUD; Pierre	
	4	20010027498		2001-10-04	VAN DE MEULENHOF; Dennis et al.	
	5	20010032188		2001-10-18	MIYABE; Yoshiyuki et al.	
	6	20010042107		2001-11-15	PALM; Stephen R.	
	7	20010043456		2001-11-22	ATKINSON; LEE	
	8	20010046235		2001-11-29	TREVITT; Stephen et al.	
	9	20010047377		2001-11-29	SINCAGLIA; Nicholas William et al.	
	10	20010050991		2001-12-13	EVES; David A.	
	11	20010055950		2001-12-27	DAVIES; Robert J. et al.	
	12	20020002039		2002-01-03	QURESHEY; Safi et al.	
	13	20020002562		2002-01-03	MORAN; Thomas P. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	14	20020002565		2002-01-03	OHYAMA; Akira	
	15	20020003548		2002-01-10	KRUSCHE; Arnd et al.	
	16	20020015003		2002-02-07	KATO; Masami et al.	
	17	20020022453		2002-02-21	BALOG; Horia et al.	
	18	20020026442		2002-02-28	LIPSCOMB; Kenneth O. et al.	
	19	20020034374		2002-03-21	BARTON; James M.	
	20	20020035621		2002-03-21	ZINTEL; William Michael et al.	
	21	20020042844		2002-04-11	CHIAZZESE; Giovanni	
	22	20020049843		2002-04-25	BARONE; Samuel T. et al.	
	23	20020062406		2002-05-23	CHANG; William Ho et al.	
	24	20020065926		2002-05-30	HACKNEY; Michael L.J et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	25	20020067909		2002-06-06	IIVONEN; Jukka-Pekka	
	26	20020072816		2002-06-13	SHDEMA; Yoav [Il] et al.	
	27	20020072817		2002-06-13	CHAMPION; Mark	
	28	20020073228		2002-06-13	COGNET; Yves et al.	
	29	20020078293		2002-06-20	KOU; SHO et al.	
	30	20020080783		2002-06-27	FUJIMORI; Junichi [Jp] et al.	
	31	20020083172		2002-06-27	KNOWLES; Gregory T. et al.	
	32	20020083342		2002-06-27	WEBB; Brian T. et al.	
	33	20020090914		2002-07-11	KANG; Hyun-Sook et al.	
	34	20020093478		2002-07-18	YEH; Chun LIN	
	35	20020095460		2002-07-18	BENSON; Michael	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	36	20020098878		2002-07-25	MOONEY; Philip D. et al.	
	37	20020101357		2002-08-01	GHARAPETIAN; ARA H.	
	38	20020103635		2002-08-01	MESAROVIC; Vladimir Z. et al.	
	39	20020109710		2002-08-15	HOLTZ; Alex et al.	
	40	20020112084		2002-08-15	DEEN; Gary D. et al.	
	41	20020112244		2002-08-15	LIOU; Shih-Ping et al.	
	42	20020114354		2002-08-22	SINHA; Pranesh et al.	
	43	20020114359		2002-08-22	IBARAKI; Susumu et al.	
	44	20020124097		2002-09-05	ISELY; Larson J. et al.	
	45	20020124182		2002-09-05	BACSO; Stephen R. et al.	
	46	20020129128		2002-09-12	GOLD; Stephen et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	47	20020129156		2002-09-12	YOSHIKAWA; Masato	
	48	20020131398		2002-09-19	TAYLOR; James L.	
	49	20020131761		2002-09-19	KAWASAKI; Kojiro et al.	
	50	20020136335		2002-09-26	LIOU; Shih-Ping et al.	
	51	20020137505		2002-09-26	EICHE; Steven A. et al.	
	52	20020143998		2002-10-03	RAJAGOPAL; Priya et al.	
	53	20020146981		2002-10-10	SAINT-HILAIRE; Ylian et al.	
	54	20020150053		2002-10-17	GRAY; Donald M. et al.	
	55	20020159596		2002-10-31	DURAND; Julian et al.	
	56	20020161865		2002-10-31	NGUYEN; Brian G.	
	57	20020163361		2002-11-07	PARKIN; Michael W.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	58	20020165721		2002-11-07	CHANG; Kenneth H.P et al.	
	59	20020165921		2002-11-07	SAPIEYEVSKI; Jerzy	
	60	20020168938		2002-11-14	CHANG; Chin-Chi	
	61	20020173273		2002-11-21	SPURGAT; Jeffrey Jonathan et al.	
	62	20020174243		2002-11-21	SPURGAT; Jeffrey Jonathan et al.	
	63	20020177411		2002-11-28	YAJIMA; Kiyoshi et al.	
	64	20020181355		2002-12-05	SHIKUNAMI; Juichi et al.	
	65	20020184310		2002-12-05	TRAVERSAT; Bernard A. et al.	
	66	20020188762		2002-12-12	TOMASSETTI; Stephen Robert et al.	
	67	20020194260		2002-12-19	HEADLEY; Kent Lawrence et al.	
	68	20020194309		2002-12-19	CARTER; Harry Nick et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	69	20030002609		2003-01-02	FALLER; Christof et al.	
	70	20030002849		2003-01-02	LORD; William P.	
	71	20030008616		2003-01-09	ANDERSON; Lelan S.	
	72	20030014486		2003-01-16	MAY; Gregory J.	
	73	20030018797		2003-01-23	DUNNING; TED E. et al.	
	74	20030020763		2003-01-30	MAYER; Theodore et al.	
	75	20030023411		2003-01-30	WITMER; Don et al.	
	76	20030023741		2003-01-30	TOMASSETTI; Stephen Robert et al.	
	77	20030035072		2003-02-20	HAGG; Wilhelm	
	78	20030035444		2003-02-20	ZWACK; Eduard	
	79	20030041173		2003-02-27	HOYLE; Stephen L.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	80	20030041174		2003-02-27	WEN; Sayling et al.	
	81	20030043856		2003-03-06	LAKANIEMI; ARI et al.	
	82	20030043924		2003-03-06	HADDAD; Semir S. et al.	
	83	20030046703		2003-03-06	KNOWLES; Gregory T. et al.	
	84	20030050058		2003-03-13	WALSH; Rod et al.	
	85	20030055892		2003-03-20	HUITEMA; Christian et al.	
	86	20030056220		2003-03-20	THORNTON; James Douglass et al.	
	87	20030061428		2003-03-27	GARNEY; John I. et al.	
	88	20030063528		2003-04-03	OGIKUBO; Takahiko	
	89	20030063755		2003-04-03	NOURSE; James D. et al.	
	90	20030066094		2003-04-03	VAN DER SCHAAR; Auke Sjoerd et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	91	20030067437		2003-04-10	MCCLINTOCK; Dale Thomas et al.	
	92	20030073432		2003-04-17	MEADE; William K.	
	93	20030097478		2003-05-22	KING; James Reynell	
	94	20030099212		2003-05-29	ANJUM; Farooq et al.	
	95	20030099221		2003-05-29	RHEE; Sokwoo	
	96	20030100335		2003-05-29	GASSHO; Kazuhito et al.	
	97	20030101253		2003-05-29	SAITO; Takayuki et al.	
	98	20030103088		2003-06-05	DRESTI; Mauro et al.	
	99	20030103464		2003-06-05	WONG; Yoon Kean et al.	
	100	20030109270		2003-06-12	SHORTY; Peter	
	101	20030110329		2003-06-12	HIGAKI; Nobuo et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	102	20030123853		2003-07-03	IWAHARA; Yuji et al.	
	103	20030126211		2003-07-03	ANTTILA; Akseli et al.	
	104	20030135822		2003-07-17	EVANS; Glenn F.	
	105	20030157951		2003-08-21	HASTY; William V.	
	106	20030167335		2003-09-04	ALEXANDER; Bruce	
	107	20030172123		2003-09-11	POLAN; Jeffrey S. et al.	
	108	20030179780		2003-09-25	WALKER; Anthony et al.	
	109	20030182254		2003-09-25	PLASTINA; Daniel et al.	
	110	20030185400		2003-10-02	YOSHIZAWA; Kazuhiko et al.	
	111	20030187657		2003-10-02	ERHART; George W. et al.	
	112	20030195964		2003-10-16	MANE; Pravin D.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	113	20030198254		2003-10-23	SULLIVAN; Gary E. et al.	
	114	20030198255		2003-10-23	SULLIVAN; Gary E. [Us] et al.	
	115	20030198257		2003-10-23	SULLIVAN; Gary E. et al.	
	116	20030200001		2003-10-23	GODDARD; Mark D.	
	117	20030204273		2003-10-30	DINKER; Darpan et al.	
	118	20030204509		2003-10-30	DINKER; Darpan et al.	
	119	20030210796		2003-11-13	MCCARTY; William A. et al.	
	120	20030212802		2003-11-13	RECTOR; Dusty D. et al.	
	121	20030219007		2003-11-27	BARRACK; Craig et al.	
	122	20030220705		2003-11-27	IBEY; Jarry A.	
	123	20030225834		2003-12-04	LEE; Oliver et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	124	20030227478		2003-12-11	CHATFIELD; Keith M.	
	125	20030229900		2003-12-11	REISMAN; Richard	
	126	20030231208		2003-12-18	HANON; Kris et al.	
	127	20030231871		2003-12-18	USHIMARU; Chikara	
	128	20030235304		2003-12-25	EVANS; Glenn F. et al.	
	129	20040001106		2004-01-01	DEUTSCHER; John et al.	
	130	20040001484		2004-01-01	OZGUNER; Tolga	
	131	20040001591		2004-01-01	MANI; Murali et al.	
	132	20040002938		2004-01-01	DEGUCHI; Yuichiro	
	133	20040008852		2004-01-15	ALSO; Masaru et al.	
	134	20040010727		2004-01-15	FUJINAMI; Yasushi	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	135	20040012620		2004-01-22	BUHLER; Rene et al.	
	136	20040014426		2004-01-22	MOORE; Richard A.	
	137	20040015252		2004-01-22	AISO; Masaru et al.	
	138	20040019497		2004-01-29	VOLK; Andrew R. et al.	
	139	20040019807		2004-01-29	FREUND; Gregor P. et al.	
	140	20040019911		2004-01-29	GATES; Matthijs A. et al.	
	141	20040023697		2004-02-05	KOMURA; Tatsumi	
	142	20040024478		2004-02-05	HANS; Mathieu Claude et al.	
	143	20040024925		2004-02-05	CYPHER; Robert E. et al.	
	144	20040027166		2004-02-12	MANGUM; Wayne G. et al.	
	145	20040032348		2004-02-19	LAI; Angela C. W. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	146	20040032421		2004-02-19	WILLIAMSON; Charles G. et al.	
	147	20040037433		2004-02-26	CHEN; Heng-Chien	
	148	20040041836		2004-03-04	ZANER; Melora et al.	
	149	20040042629		2004-03-04	MELLONE; Charles M. et al.	
	150	20040044742		2004-03-04	EVRON; Roni et al.	
	151	20040048569		2004-03-11	KAWAMURA; Harumi	
	152	20040059842		2004-03-25	HANSON; Mark L. et al.	
	153	20040059965		2004-03-25	MARSHALL; Kenneth R. et al.	
	154	20040066736		2004-04-08	KROEGER; Brian William	
	155	20040075767		2004-04-22	NEUMAN; Darren et al.	
	156	20040078383		2004-04-22	MERCER; IAN Cameron et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	157	20040080671		2004-04-29	SIEMENS; Duane et al.	
	158	20040093096		2004-05-13	HUANG; Steve Lan-Ping et al.	
	159	20040098754		2004-05-20	VELLA; Zane et al.	
	160	20040111473		2004-06-10	LYSENKO; Anton et al.	
	161	20040117462		2004-06-17	BODIN; William Kress et al.	
	162	20040117491		2004-06-17	KARAOGUZ; Jeyhan et al.	
	163	20040117840		2004-06-17	BOUDREAU; Paul A. et al.	
	164	20040117858		2004-06-17	BOUDREAU; Paul A. et al.	
	165	20040128701		2004-07-01	KANEKO; Toshimitsu et al.	
	166	20040131192		2004-07-08	METCALF; Randall B.	
	167	20040133689		2004-07-08	VASISHT; Samrat	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	168	20040143368		2004-07-22	MAY; Robert E. et al.	
	169	20040143852		2004-07-22	MEYERS; Philip G.	
	170	20040148237		2004-07-29	BITTMANN; RAN et al.	
	171	20040168081		2004-08-26	LADAS; Corey M. et al.	
	172	20040170383		2004-09-02	MAZUR; Leszek	
	173	20040171346		2004-09-02	LIN; John	
	174	20040176025		2004-09-09	HOLM; Jukka et al.	
	175	20040177167		2004-09-09	IWAMURA; Ryuichi et al.	
	176	20040179554		2004-09-16	TSAO; Hsi-Kang	
	177	20040183827		2004-09-23	PUTTERMAN; Daniel et al.	
	178	20040185773		2004-09-23	GERBER; Louis et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	179	20040195313		2004-10-07	LEE; Hyeok-Soo	
	180	20040203376		2004-10-14	PHILLIPPS; John Quentin	
	181	20040203378		2004-10-14	POWERS; Simon	
	182	20040203590		2004-10-14	SHTEYN; Eugene	
	183	20040203936		2004-10-14	OGINO; Minoru et al.	
	184	20040208158		2004-10-21	FELLMAN; Ronald D. et al.	
	185	20040213230		2004-10-28	DOUSKALIS; William et al.	
	186	20040214524		2004-10-28	NODA; Takuro et al.	
	187	20040223622		2004-11-11	LINDEMANN; Eric LEE [Us] et al.	
	188	20040224638		2004-11-11	FADELL; Anthony M. et al.	
	189	20040228367		2004-11-18	MOSIG; Rudiger et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	190	20040248601		2004-12-09	CHANG; Chin-Chi	
	191	20040249490		2004-12-09	SAKAI; Kenji	
	192	20040249965		2004-12-09	HUGGINS; GUY Dwayne et al.	
	193	20040249982		2004-12-09	ARNOLD; Johann et al.	
	194	20040252400		2004-12-16	BLANK; William Thomas et al.	
	195	20040253969		2004-12-16	NGUYEN; Vu X. et al.	
	196	20050010691		2005-01-13	OYADOMARI; Randy et al.	
	197	20050011388		2005-01-20	KOUZNETSOV; Alex A.	
	198	20050013394		2005-01-20	RAUSCH; Mathias et al.	
	199	20050015551		2005-01-20	EAMES; Russell Mark et al.	
	200	20050021590		2005-01-27	DEBIQUE; Kirt A. [Us] et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	201	20050027821		2005-02-03	ALEXANDER; Justin et al.	
	202	20050047605		2005-03-03	LEE; Noel et al.	
	203	20050058149		2005-03-17	HOWE; Wayne Richard	
	204	20050060435		2005-03-17	XUE; XIN et al.	
	205	20050062637		2005-03-24	EL ZABADANI; Hicham Mahmoud et al.	
	206	20050081213		2005-04-14	SUZUOKI; Masakazu et al.	
	207	20050100166		2005-05-12	SMETTERS; Diana K. et al.	
	208	20050105052		2005-05-19	MCCORMICK; TOM et al.	
	209	20050114538		2005-05-26	ROSE; Steven W.	
	210	20050120128		2005-06-02	WILLES; W. P. et al.	
	211	20050125222		2005-06-09	BROWN; Michael Wayne et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	212	20050125357		2005-06-09	SAADAT; Abbas S. et al.	
	213	20050129240		2005-06-16	BALFANZ; Dirk et al.	
	214	20050131558		2005-06-16	BRAITHWAITE; Michael et al.	
	215	20050149204		2005-07-07	MANCHESTER; Scott et al.	
	216	20050154766		2005-07-14	HUANG; Wei-Hung et al.	
	217	20050159833		2005-07-21	GIAIMO; Edward C. et al.	
	218	20050160270		2005-07-21	GOLDBERG; David et al.	
	219	20050166135		2005-07-28	BURKE; David G. et al.	
	220	20050168630		2005-08-04	YAMADA; Norihiko et al.	
	221	20050170781		2005-08-04	JACOBSEN; Eric A. et al.	
	222	20050177643		2005-08-11	XU; Shugong	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	223	20050181348		2005-08-18	CAREY; Tadhg M. et al.	
	224	20050195205		2005-09-08	ABRAMS; Thomas A.Jr	
	225	20050195823		2005-09-08	CHEN; Jian-Rong et al.	
	226	20050197725		2005-09-08	ALEXANDER; JIM et al.	
	227	20050198221		2005-09-08	MANCHESTER; Scott et al.	
	228	20050198574		2005-09-08	LAMKIN; Allan B. et al.	
	229	20050201549		2005-09-15	DEDIEU; Stephane et al.	
	230	20050215265		2005-09-29	SHARMA; Sanjeev K.	
	231	20050216556		2005-09-29	MANION; Todd R. et al.	
	232	20050239445		2005-10-27	KARAOGUZ; Jeyhan et al.	
	233	20050246421		2005-11-03	MOORE; Kevin R. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	234	20050262217		2005-11-24	NONAKA; Masao et al.	
	235	20050281255		2005-12-22	DAVIES; Trevor et al.	
	236	20050283820		2005-12-22	RICHARDS; Martin J. et al.	
	237	20050288805		2005-12-29	MOORE; Jeffrey C. et al.	
	238	20050289224		2005-12-29	DESLIPPE; Mark H. et al.	
	239	20060041639		2006-02-23	LAMKIN; Allan B. [Us] et al.	
	240	20060072489		2006-04-06	TOYOSHIMA; Akihiko	
	241	20060095516		2006-05-04	WIJERATNE; Viranga L.	
	242	20060098936		2006-05-11	IKEDA; Wataru et al.	
	243	20060119497		2006-06-08	MILLER; Kevin L. et al.	
	244	20060142034		2006-06-29	WENTINK; Menzo et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	245	20060143236		2006-06-29	WU; Michael	
	246	20060155721		2006-07-13	GRUNWALD; David et al.	
	247	20060161635		2006-07-20	LAMKIN; Allan B. et al.	
	248	20060161742		2006-07-20	SUGIMOTO; Kayo et al.	
	249	20060173844		2006-08-03	ZHANG; Junbiao et al.	
	250	20060173976		2006-08-03	VINCENT; Jonathan M. et al.	
	251	20060193454		2006-08-31	ABOU-CHAKRA; Rabih et al.	
	252	20060222186		2006-10-05	PAIGE; Robert F. et al.	
	253	20060227985		2006-10-12	KAWANAMI; Kenichiro	
	254	20060259649		2006-11-16	HSIEH; Kuan-Hong et al.	
	255	20060265571		2006-11-23	BOSCH; Thomas et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	256	20060270395		2006-11-30	DHAWAN; Anil K. [Us] et al.	
	257	20060281409		2006-12-14	LEVIEN; Royce A. et al.	
	258	20060287746		2006-12-21	BRAITHWAITE; Michael et al.	
	259	20070003067		2007-01-04	GIERL; Stefan et al.	
	260	20070022156		2007-01-25	GRUBBS; Gregory J.	
	261	20070022207		2007-01-25	MILLINGTON; Nicholas A. et al.	
	262	20070038999		2007-02-15	MILLINGTON; Nicholas A. J.	
	263	20070043847		2007-02-22	CARTER; Harry N. et al.	

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

NON-PATENT LITERATURE DOCUMENTS Remove			
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
	1	BridgeCo. Company Overview. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	2	BridgeCo. Networked Entertainment, Product Information. 7 October 2003, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	3	BridgeCo. Networked Loudspeaker Product Information, 4 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	4	BridgeCo. News and Events, BridgeCo Launches UPnP-Compliant Wireless Audio Adapter 16 September 2003, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	5	BridgeCo. Professional Loudspeaker - Product Information, 3 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	6	BridgeCo. User Manual, Wireless Audio Adapter. 22 September 2003, 34 pages.	
	7	BridgeCo. Vision. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	8	BridgeCo. Vision, 5 Factors, 5 Missing Functionalities. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	9	BridgeCo. Vision, 5 Key Functions. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	10	BridgeCo. Vision, BridgeCo Solution. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	11	BridgeCo. Vision, Consumer Benefits. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	12	BridgeCo. Vision, Consumer Demand. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	13	BridgeCo. Vision, ENA Applications. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	14	BridgeCo. Vision, ENA Deployment. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	15	BridgeCo. Vision, ENA Functionality. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	16	BridgeCo. Vision, ENA Market. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	17	BridgeCo. Vision, Entertainment Continuum. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	18	BridgeCo. Vision, Entertainment Network Adapter. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	19	BridgeCo. Vision, New Entertainment. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020] .	
	20	BridgeCo. Vision, Technical Problems. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020] .	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	21	BridgeCo. Wireless Audio Adapter, Product Information. 3 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020] .	
	22	BridgeCo. Wireless Audio Adapter Reference Design, Product Information. Version 1.3. 31 October 2003, 2 pages.	
	23	BridgeCo. Wireless Audio Adapter Reference Design. Product Information. Version 1.3, 31 October 2003, 2 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	24	BridgeCo. Wireless Loudspeaker, Product Information. 4 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020] .	
	25	BridgeCo. Wireless Loudspeaker, Product Information. Version 1.4. 16 December 2003, 5 pages.	
	26	Buffalo. Link Theater LT-H90 Media Player v1.0, 2003- 2008, 38 pages.	
	27	Buffalo. LinkTheater PC-P3LWG/DVD, 59 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	28	Business Wire. BridgeCo Adds Wireless Connectivity and Enhances Surround Sound Processing for New Generation Speakers. 5 May 2003, 2 pages.	
	29	c200 Wireless Network MP3 Player, 4 June 2003, 1 page.	
	30	Cai et al. Simple Service Discovery Protocol/1.0, Internet Engineering Task Force, 8 April 1999, 8 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	31	CANADIAN INTELLECTUAL PROPERTY OFFICE, Canadian Office Action mailed on 04 April 2016, issued in connection with Canadian Patent Application No. 2,842,342, 5 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	32	CANADIAN INTELLECTUAL PROPERTY OFFICE, Canadian Office Action mailed on 14 September 2015, issued in connection with Canadian Patent Application No. 2,842,342, 2 pages.	
	33	Carnoy, David. Parrot DS1120 Wireless Hi-Fi Speaker System Review, 15 July 2008, 4 pages.	
	34	Case et al. RFC 1157 - A Simple Network Management Protocol, May 1990, 36 pages.	
	35	cd30. Audio Control Document V4.2 Released! 18 September 2003, 7 pages.	
	36	cd30. Audio Control Protocol Availability, 28 February 2004, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	37	cd30 Audio Control Protocol. Version 4.2. 18 September 2003, 24 pages.	
	38	cd30. Audio Stream Protocol Released. 9 March 2004, 2 pages.	
	39	Cd30. Audio Stream Protocol: Version 18. 9 March 2004, 13 pages.	
	40	cd30 Backgrounder, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	41	cd30. c100 Network MP3 Player. Quick Product Summary .1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	42	cd30. c200 Wireless Network MP3 Player. Quick Product Summary. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	43	cd30. c300 Extended-Range Wireless Network MP3 Player. Quick Product Summary, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	44	cd30 C300 Reviews. Digital Audio Receivers (DARs) Reviews by CNET, 30 March 2003, 3 pages.	
	45	cd30. Careers, 21 November 2003, 1 page.	
	46	cd30. Contact, 12 December 2003, 1 page.	
	47	cd30. Corporate Fact Sheet, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	48	cd30 FAQs. What problem or need does cd30 address with their products? 2 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	49	cd30 Frequently-Asked Questions About cd30 Network MP3 Players, 12 December 2003, 6 pages.	
	50	cd30 Introduces Family of MP3 Players at this year's Consumer Electronics Show. 9-12 January, 2003 Las Vegas Convention Center, 12 February 2004, 2 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20070047712		2007-03-01	GROSS; Kevin P. et al.	
	2	20070048713		2007-03-01	PLASTINA; Daniel et al.	
	3	20070054680		2007-03-08	MO; Shaomin S. et al.	
	4	20070087686		2007-04-19	HOLM; Jukka et al.	
	5	20070142022		2007-06-21	MADONNA; Robert P. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	6	20070142944		2007-06-21	GOLDBERG; David et al.	
	7	20070143493		2007-06-21	MULLIG; Richard M. et al.	
	8	20070169115		2007-07-19	KO; Steve et al.	
	9	20070180137		2007-08-02	RAJAPAKSE; Ravi	
	10	20070192156		2007-08-16	GAUGER; Derek K.	
	11	20070220150		2007-09-20	GARG; Gopal K.	
	12	20070249295		2007-10-25	UKITA; Yoshitaka et al.	
	13	20070265031		2007-11-15	KOIZUMI; Michiaki et al.	
	14	20070271388		2007-11-22	BOWRA; Todd et al.	
	15	20070299778		2007-12-27	HAVESON; Ryan A. et al.	
	16	20080002836		2008-01-03	MOELLER; Niklas et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	17	20080007649		2008-01-10	BENNETT; James D.	
	18	20080007650		2008-01-10	BENNETT; James D.	
	19	20080007651		2008-01-10	BENNETT; James D.	
	20	20080018785		2008-01-24	BENNETT; James D.	
	21	20080022320		2008-01-24	VER STEEG; William C.	
	22	20080025535		2008-01-31	RAJAPAKSE; Ravi	
	23	20080072816		2008-03-27	RIESS; Walter H. et al.	
	24	20080075295		2008-03-27	MAYMAN; Avrum G. et al.	
	25	20080077619		2008-03-27	GILLEY; Glenn Gregory et al.	
	26	20080077620		2008-03-27	GILLEY; Glenn Gregory et al.	
	27	20080086318		2008-04-10	GILLEY; Glenn Gregory et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	28	20080091771		2008-04-17	ALLEN; Jeffrey L. et al.	
	29	20080109852		2008-05-08	KRETZ; Martin H. et al.	
	30	20080120429		2008-05-22	MILLINGTON; Nicholas A.J et al.	
	31	20080126943		2008-05-29	PARASNIS; Shashank Mohan et al.	
	32	20080144861		2008-06-19	MELANSON; John L. et al.	
	33	20080144864		2008-06-19	HUON; Graeme John [Au] et al.	
	34	20080146289		2008-06-19	KORNELUK; Jose E. et al.	
	35	20080189272		2008-08-07	POWERS; Michael et al.	
	36	20080205070		2008-08-28	OSADA; Yasuo	
	37	20080212786		2008-09-04	PARK; Hae-Kwang	
	38	20080215169		2008-09-04	DEBETTENCOURT; Lisa et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	39	20080263010		2008-10-23	ROYCHOUDHURI; Subrata et al.	
	40	20080273714		2008-11-06	HARTUNG; Klaus	
	41	20080303947		2008-12-11	OHNISHI; Sunao et al.	
	42	20090011798		2009-01-08	YAMADA; Hiroshi	
	43	20090017868		2009-01-15	UEDA; Joji et al.	
	44	20090031336		2009-01-29	CHAVEZ; Timothy R. et al.	
	45	20090060219		2009-03-05	INOHARA; Yuichi	
	46	20090070434		2009-03-12	HIMMELSTEIN; Richard B.	
	47	20090087000		2009-04-02	KO; Sang-Chul	
	48	20090089327		2009-04-02	KALABOUKIS; Chris et al.	
	49	20090100189		2009-04-16	BAHREN; Frank et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	50	20090124289		2009-05-14	NISHIDA; Osamu	
	51	20090157905		2009-06-18	DAVIS; Bradford C.	
	52	20090164655		2009-06-25	PETTERSSON; Mattias et al.	
	53	20090169030		2009-07-02	INOHARA; Yuichi	
	54	20090193345		2009-07-30	WENSLEY; Paul et al.	
	55	20090222115		2009-09-03	MALCOLM; David et al.	
	56	20090228919		2009-09-10	ZOTT; Joseph A. et al.	
	57	20090251604		2009-10-08	IYER; Suraj C.	
	58	20100004983		2010-01-07	DICKERSON; Stephanie et al.	
	59	20100031366		2010-02-04	KNIGHT; Mark Stephen et al.	
	60	20100049835		2010-02-25	KO; Steve et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	61	20100087089		2010-04-08	STRUTHERS; Scott et al.	
	62	20100228740		2010-09-09	CANNISTRARO; Alan et al.	
	63	20100284389		2010-11-11	RAMSAY; Max et al.	
	64	20100299639		2010-11-25	RAMSAY; Max Gordon et al.	
	65	20110001632		2011-01-06	HOHORST; Andrew Gordon	
	66	20110002487		2011-01-06	PANTHER; Heiko et al.	
	67	20110066943		2011-03-17	BRILLON; Francois [Ca] et al.	
	68	20110222701		2011-09-15	DONALDSON; Thomas A. et al.	
	69	20110228944		2011-09-22	CROGHAN; Frank et al.	
	70	20110316768		2011-12-29	MCRAE; Matthew Blake	
	71	20120029671		2012-02-02	MILLINGTON; Nicholas A. J. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	72	20120030366		2012-02-02	COLLART; Todd et al.	
	73	20120051567		2012-03-01	CASTOR-PERRY; Kendall	
	74	20120060046		2012-03-08	MILLINGTON; Nicholas A. J.	
	75	20120129446		2012-05-24	KO; Steve et al.	
	76	20120148075		2012-06-14	GOH; Aik Hee Daniel et al.	
	77	20120185771		2012-07-19	ROTHKOPF; Fletcher R. et al.	
	78	20120192071		2012-07-26	MILLINGTON; Nicholas A. J.	
	79	20120207290		2012-08-16	MOYERS; Josh et al.	
	80	20120237054		2012-09-20	EO; Kil-Su et al.	
	81	20120281058		2012-11-08	LANEY; Alan et al.	
	82	20120290621		2012-11-15	HEITZ, III; Geremy A. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	83	20130013757		2013-01-10	MILLINGTON; Nicholas A. J. [Us] et al.	
	84	20130018960		2013-01-17	KNYSZ; Matthew S. et al.	
	85	20130031475		2013-01-31	MAOR; Yehonatan Rafael et al.	
	86	20130038726		2013-02-14	KIM; Jin-Hyong	
	87	20130041954		2013-02-14	KIM; Laeyoung et al.	
	88	20130047084		2013-02-21	SANDERS; Christopher John et al.	
	89	20130052940		2013-02-28	BRILLHART; David C. et al.	
	90	20130070093		2013-03-21	RIVERA; Ed et al.	
	91	20130080599		2013-03-28	KO; Steve et al.	
	92	20130121492		2013-05-16	VACON; Gary et al.	
	93	20130124664		2013-05-16	FONSECA, Jr.; Benedito J. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	94	20130129122		2013-05-23	JOHNSON; Martin E. et al.	
	95	20130132837		2013-05-23	MEAD; Jonathan Selwyn et al.	
	96	20130159126		2013-06-20	ELKADY; AMR	
	97	20130167029		2013-06-27	FRIESEN; Sharon E. [Us] et al.	
	98	20130174100		2013-07-04	SEYMOUR; Eric T. et al.	
	99	20130174223		2013-07-04	DYKEMAN; KIM R. et al.	
	100	20130179163		2013-07-11	HERBIG; Tobias et al.	
	101	20130191454		2013-07-25	OLIVER; Michael R. et al.	
	102	20130197682		2013-08-01	MILLINGTON; Nicholas A. J.	
	103	20130226323		2013-08-29	MILLINGTON; Nicholas A. J.	
	104	20130230175		2013-09-05	BECH; Soeren et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	105	20130232416		2013-09-05	MILLINGTON; Nicholas A. J.	
	106	20130253934		2013-09-26	PAREKH; Jateen P. et al.	
	107	20130279706		2013-10-24	MARTI; Stefan J. [Us] et al.	
	108	20130287186		2013-10-31	QUADY; Curtis E.	
	109	20130290504		2013-10-31	QUADY; Curtis E.	
	110	20140006483		2014-01-02	GARMARK; Sten [Se] et al.	
	111	20140037097		2014-02-06	LABOSCO; Mark	
	112	20140064501		2014-03-06	OLSEN; Martin et al.	
	113	20140075308		2014-03-13	SANDERS; Christopher John et al.	
	114	20140075311		2014-03-13	BOETTCHER; Jesse William et al.	
	115	20140079242		2014-03-20	NGUYEN; NAM et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	116	20140108929		2014-04-17	GARMARK; Sten et al.	
	117	20140123005		2014-05-01	FORSTALL; Scott J. [Us] et al.	
	118	20140140530		2014-05-22	GOMES-CASSERES; Glenn [Us] et al.	
	119	20140161265		2014-06-12	CHAIKIN; Peter et al.	
	120	20140181569		2014-06-26	MILLINGTON; Nicholas A.J et al.	
	121	20140233755		2014-08-21	KIM; Kwang-Soo et al.	
	122	20140242913		2014-08-28	PANG; Hawk YIN	
	123	20140256260		2014-09-11	UEDA; Joji et al.	
	124	20140267148		2014-09-18	LUNA; Michael Edward Smith [Us] et al.	
	125	20140270202		2014-09-18	IVANOV; Plamen A. et al.	
	126	20140273859		2014-09-18	LUNA; Michael Edward Smith [Us] et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	127	20140279889		2014-09-18	LUNA; Michael Edward Smith [Us] et al.	
	128	20140285313		2014-09-25	LUNA; Michael Edward Smith et al.	
	129	20140286496		2014-09-25	LUNA; Michael Edward Smith et al.	
	130	20140298174		2014-10-02	IKONOMOV; Artashes Valeryevich	
	131	20140323036		2014-10-30	DALEY; Michael J. et al.	
	132	20140344689		2014-11-20	SCOTT; Mark David [Us] et al.	
	133	20140378056		2014-12-25	LIU; Peter T. [Us] et al.	
	134	20150019670		2015-01-15	REDMANN; William Gibbens	
	135	20150026613		2015-01-22	KWON; Yunmi [Kr] et al.	
	136	20150032844		2015-01-29	TARR; Morton et al.	
	137	20150043736		2015-02-12	OLSEN; Martin et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	138	20150049248		2015-02-19	WANG; MIN et al.	
	139	20150074527		2015-03-12	SEVIGNY; Jonathan Christopher [Us] et al.	
	140	20150074528		2015-03-12	SAKALOWSKY; John Michael et al.	
	141	20150098576		2015-04-09	SUNDARESAN; Rameshwar et al.	
	142	20150139210		2015-05-21	MARIN; Janne et al.	
	143	20150256954		2015-09-10	CARLSSON; Gregory Peter [Us] et al.	
	144	20150304288		2015-10-22	BALASAYGUN; Mehmet et al.	
	145	20150365987		2015-12-17	WEEL; Martin	

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

NON-PATENT LITERATURE DOCUMENTS Remove			
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
	1	cd30 Introduces Family of MP3 Players at this year's Consumer Electronics Show. 9-12 January, 2003 Las Vegas Convention Center, 2 pages.	
	2	cd30 Introduces Family of Wireless Network MP3 Players. 9-12 January 2003 Las Vegas Convention Center, 2 pages.	
	3	cd30. Logo page, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	4	cd30 Management, 12 December 2003, 1 page.	
	5	cd30. Management Team, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	6	cd30. Multi-Player Synchronization. 15 January 2004, 4 pages.	
	7	cd30 Network MP3 Player Models, 01 February 2004, 1 page.	
	8	Cd30, Network MP3 Player, Product Manual. Copyright 2003, 65 pages.	
	9	cd30 Network MP3 Player. Product Manual for c100, c200, and c300, 2003, 65 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	10	cd30. Network MP3 Player. Quick Installation Guide, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	11	cd30. Network MP3 Player Quick Installation Guide, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	12	cd30 Network MP3 Player Reviews. 1 February 2004, 2 pages.	
	13	cd30 Network MP3 Player Specifications. 2 February 2004, 2 pages.	
	14	cd30 Network MP3 Players, 18 November 2003, 1 page.	
	15	cd30 Network MP3 Players c100, c200, and c300, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	16	cd30 Network MP3 Players: Stream music from your PC to your stereo, 18 November 2003, 1 page.	
	17	cd30 Network MP3 Players: Stream your MP3s to your stereo! 24 May 2003, 1 page.	
	18	cd30. News, Reviews 21 November 21 2003, 2 pages.	
	19	cd30. Product Manual Availability, 03 October 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	20	cd30. Product Support. 10 May 2006, 17 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	21	cd30 Product Support Forums. Forum Index, 15 April 2003, 1 page.	
	22	cd30 Product Support Forums. Forum Index, 18 June 2003, 1 page.	
	23	cd30 Product Support Forums. Forum Index, 2 February 2004, 1 page.	
	24	cd30. Product Support Forums. Multiple stereos -- multiple cd30s – same music? 3 November 2003, 2 pages.	
	25	cd3o. Management Team, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	26	Cd3o. Network MP3 Player, Product Manual, 2003, 65 pages.	
	27	cd3o. Network MP3 Players. Keep your MP3s on your PC...Listen to them on your stereo. 24 May 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	28	cd3o. Network MP3 Players. Store your music on your PC...Listen to it on your stereo, wirelessly! 18 November 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	29	cd3o Product Support Center, 19 November 2003, 1 page.	
	30	cd3o. Product Support Center. Getting Assistance, 19 November 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	31	cd3o Wireless Music Network Setup, 35 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	32	CEN et al., "A Distributed Real-Time MPEG Video Audio Player," Department of Computer Science and Engineering, Oregon Graduate Institute of Science and Technology, 1995, 12 pages.	
	33	CES: MP3-Player mit Pfiff, 13 January 2003, 4 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	34	CHAKRABARTI et al., "A Remotely Controlled Bluetooth Enabled Environment," IEEE, 2004, pp. 77-81.	
	35	Change Notification: Agere Systems WaveLan Multimode Reference Design (D2 to D3), AVAGO0042, Agere Systems, November 2004, 2 pages.	
	36	Cheshire et al. RFC 3927 - Dynamic Configuration of IPv4 Link-Local Addresses, 2005, 34 pages.	
	37	Cheshire et al. Zero Configuration Networking: The Definitive Guide. December 2005, 288 pages.	
	38	CHINESE OFFICE ACTION, Office Action mailed on 20 December 2016, issued in connection with Chinese Application No. 201380044446.8, 16 pages.	
	39	CHINESE PATENT OFFICE, Office Action mailed on 05 July 2016, issued in connection with Chinese Patent Application No. 201380044380.2, 25 pages.	
	40	CHINESE PATENT OFFICE, Second Office Action mailed on 27 February 2017, issued in connection with Chinese Patent Application No. 201380044380.2, 22 pages.	
	41	Clipsal. Multi Room Audio Amplifier, User's Guide, V1.0, December 2005, 28 pages.	
	42	Clipsal. Multi Room Audio Matrix Switcher, User's Guide, 560884, V1.0, December 2005, 20 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	43	C-Media. CM102-A/102S USB 2CH Audio Controller, Data Sheet. Version 1.4. 21 May 2003, 20 pages.	
	44	C-Media Electronics Inc. CMI8768/8768+ Advanced Driver Software Architecture. User Manual, Revision: 1.0, May 25, 2004, 29 pages.	
	45	C-Media XeaR 3D Sound Solution. CMI8738 4/6-Channel PCI Audio Single Chip. User Manual, Rev. 2.1, May 21, 2002, 44 pages. .	
	46	CNET. Wireless gizmo for PC music hits home, 30 September 2003, 4 pages.	
	47	Compaq et al., Universal Serial Bus Specification, Revision 2.0, 27 April 2000, 650 pages.	
	48	Connected, distributed audio solution for your home by barix and Stand-alone, distributed audio solution for your home by barix. Copyright September 2003. Sourced from Sonos, Inc. v. Lenbrook Industries Limited et al. - Defendants' Answer to Plaintiff's Complaint - Exhibit A filed October 14, 2019, 3 pages.	
	49	Connected Planet. Using PC Link. Streamium PC Link by Philips. Models MC-i200/250, SL300i, SL400i, MX6000i, last modified 5 August 2004, 2 pages. .	
	50	Connection Manager: 1 Service Template Version 1.01 For UPnP, Version 1.0 (June 25, 2002) (25 pages).	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	ContentDirectory:1 Service Template Version 1.01 For UPnP, Version 1.0 (June 25, 2002) (89 pages).	
	2	Corrected Notice of Allowability mailed on 23 December 2016, issued in connection with U.S. Patent Application No. 14/803953 filed on 20 July 2015, 18 pages.	
	3	Corrected Notice of Allowance mailed on 19 August 2015, issued in connection with U.S. Patent Application No. 13/907666, filed on 31 May 2013, 2 pages.	
	4	Creating the Future of Home Entertainment Today. NetStreams Product Catalog 2003/2004, 20 pages. .	
	5	Creative, "Connecting Bluetooth Devices with Creative D200," http://support.creative.com/kb/ShowArticle.aspx?url=http://ask.creative.com:80/SRVS/CGI-BIN/WEBCGI.EXE/,/?St=106,E=0000000000396859016,K=9377,Sxi=8,VARSET=ws:http://us.creative.com,case=63350, available on 11/28/2011, 2 pages.	
	6	Creative Sound Blaster Wireless Music, User's Guide, Version 1.0, August 2003, 61 pages.	
	7	Crest Audio Pro Series 8001 Power Amplifier. V. 2.2 March 25, 1997, 2 pages.	
	8	Creston's Adagio Entertainment System with New AMS Processor Wins Awards at CEDIA, 29 September 2006, 3 pages.	
	9	Crestron Adagio AMS Media System Operations Guide, 2008, 114 pages.	
	10	Crestron. Adagio. Home Entertainment is Just the Beginning...2007, 10 pages.	
	11	Crestron. AVS Forum. 1 December 2007, 9 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Crestron, Industry Awards, Crestron's Spirit of Innovation has Resulted in the Most Award-Winning Products in the Industry, 2006, 6 pages.	
	13	Crestron, Industry Awards, Crestron's Spirit of Innovation has Resulted in the Most Award-Winning Products in the Industry, 2007, 5 pages.	
	14	Crome, Caleb. Logitech Squeezebox Boom Audio Design, 2008, 11 pages.	
	15	Crouch, Cameron. CES showcases Internet everywhere. CNN.com 7 January 2000, 2 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	16	Crown PIP Manual available for sale at least 2004, 68 pages.	
	17	DANNENBERG et al., "A. System Supporting Flexible Distributed Real-Time Music Processing," Proceedings of the 2001 International Computer Music Conference, 2001, 4 pages.	
	18	DANNENBERG, Roger B., "Remote Access to Interactive Media," Proceedings of the SPIE 1785, 1993, pp. 230-237.	
	19	Davies, Chris. Sony Ericsson MS500 Bluetooth Splashproof Speaker. http://www.slashgear.com/sony-ericsson-ms500-bluetooth-splashproof. March 17, 2009, 2 pages. .	
	20	DAY, Rebecca, "Going Elan!" Primedia Inc., 2003, 4 pages.	
	21	Deep-Sleep Implementation in WL60011 for IEEE 802.11b Applications, AVAGO0020, Agere Systems, July 2004, 22 pages.	
	22	Dell, Inc. "Dell Digital Audio Receiver: Reference Guide," June 2000, 70 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Dell, Inc. "Start Here," June 2000, 2 pages.	
	24	"Denon 2003-2004 Product Catalog," Denon, 2003-2004, 44 pages.	
	25	Denon AV Surround Receiver AVR-1604/684 User's Manual, 2004, 128 pages.	
	26	Denon AV Surround Receiver AVR-5800 Operating Instructions, Copyright 2000, 67 pages.	
	27	Denon AVR-3805 A/V Surround Receiver. Datasheet, last modified 1 March 2004, 2 pages. .	
	28	Designing a UPnP AV MediaServer, Nelson Kidd (2003) (SONDM000115062-116) (55 pages).	
	29	DHIR, Amit, "Wireless Home Networks - DECT, Bluetooth, Home RF, and Wirelss LANs," XILINX, wp135 (v1.0), March 21, 2001, 18 pages.	
	30	Dierks et al. RFC 2246 The TLS Protocol, January 1999, 80 pages.	
	31	Digigram. EtherSound ES8in/8out Ethernet Audio Bridges. Easy and Cost-Effective Audio Distribution, November 2002, 4 pages.	
	32	D-Link. User's Manual, Wireless HD Media Player, Version 1.1, DSM-520, 28 September 2005, 127 pages.	
	33	DLNA. Overview and Vision, White Paper, June 2004, 16 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	DLNA. Use Case Scenarios, White Paper, June 2004, 15 pages. .	
	35	"DP-0206 Digital Signal Processor," TOA Electronics, Inc., 2001, pp. 1-12.	
	36	DP-0206 TOA Digital Signal Processor. TOA Corporation, 2001, 4 pages. .	
	37	Duo Soundolier. Sound & Light : Wireless Speaker Torchiere. Soundolier Integrated Wireless Technologies, 2006, 3 pages.	
	38	ECMA. Near Field Communication – White Paper, Ecma/TC32-TG19/2004/1, 9 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	39	ECMA. Near Field Communication, ECMA/TC32-TG19, October 2002, 15 pages.	
	40	ECMA. Standard ECMA-340, Near Field Communication – Interface and Protocol NFCIP-1, December 2002, 66 pages.	
	41	Ecma. What is Ecma? 2 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	42	Epson. EpsonNet 802.11B, Convenient Printing Using Wireless Technology, 2002, 2 pages.	
	43	Epson. EpsonNet 802.11b, User's Guide, 2002, 68 pages.	
	44	Epson Product Support Bulletin. PSB # PSB.2003.05.005, EpsonNet 802.11b Wireless Print Server, 30 April 2003, 30 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Epson Product Support Bulletin. PSB # PSB.2003.05.007, EpsonNet 802.11b Wireless Print Server, 23 April 2003, 10 pages.	
	46	Epson Stylus C80WN. Quick Start, 2002, 2 pages.	
	47	Epson Stylus C80WN. Setup and Installation, November 2001, 67 pages.	
	48	EUROPEAN PATENT OFFICE, European Extended Search Report mailed 07 March 2016, issued in connection with EP Application No. 13810340.3, 9 pages.	
	49	EUROPEAN PATENT OFFICE, European Extended Search Report mailed on 28 February 2014, issued in connection with EP Application No. 13184747.7, 8 pages.	
	50	EUROPEAN PATENT OFFICE, European Extended Search Report mailed on 31 March 2015, issued in connection with EP Application No. 14181454.1, 9 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	EUROPEAN PATENT OFFICE, Examination Report mailed on 22 March 2016, issued in connection with European Patent Application No. EP14181454.1, 6 pages.	
	2	EUROPEAN PATENT OFFICE, Examination Report mailed on 24 October 2016, issued in connection with European Patent Application No. 13808623.6, 4 pages.	
	3	EUROPEAN PATENT OFFICE, Office Action mailed 25 November 2016, issued in connection with EP Application No. 13810340.3, 5 pages.	
	4	Exstreamer - The Exstreamer Instruction Manual Version 1.5. Barix Think Further. Sourced from Sonos, Inc. v. Lenbrook Industries Limited et al., Defendants' Answer to Plaintiff's Complaint - Exhibit E, filed October 14, 2019, 21 pages.	
	5	Exstreamer - The Exstreamer Technical Description Version 1.5. Barix Think Further. Sourced from Sonos, Inc. v. Lenbrook Industries Limited et al., Defendants' Answer to Plaintiff's Complaint - Exhibit D, filed October 14, 2019, 36 pages .	
	6	Exstreamer. Network MP3 player for digital audio streaming in a consumer, home installation and commercial applications. Barix Think Further. September 2002, 2 pages. .	
	7	Exstreamer. The Exstreamer Instruction Manual. Barix Think Further. Version 1.5 , October 2002, 21 pages. .	
	8	Exstreamer. The Exstreamer Technical Description: Version 1.5. Barix Think Further. October 2002, 36 pages. .	
	9	External Photo. Yamaha Corporation FCC ID: A6RMCX1000A, 2 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	10	Extron System Integrator Speakers. System Integrator Speaker Series. ExtroNews. Issue 16.2, Winter 2005, 32 pages. .	
	11	EZ-Stream 11 Mbps Wireless Audio Adapter. Model Number SMCWAA-B. Home Entertainment Networking, 2 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	FALCONE, John, "Sonos BU150 Digital Music System review," CNET, CNET [online] 2009.07.27 [retrieved on 2016.03.16], 11 pages Retrieved from the Internet: URL:http://www.cnet.com/products/sonos-bu150-digital-music-system/.	
	13	FALLER, Christof, "Coding of Spatial Audio Compatible with Different Playback Formats," Audio Engineering Society Convention Paper (Presented at the 117th Convention), October 28-31, 2004, 12 pages.	
	14	Federal Communications Commission, Declaration of Conformity, Wireless Audio Adapter, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	15	Federal Communications Commission. OET Exhibits List, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	16	Fielding et al. RFC 2616 Hypertext Transfer Protocol – HTTP/1.1, June 1999, 114 pages.	
	17	File History of Re-Examination Application No. 90/013,423 (Sonos Ref. No. 12-0902-REX) retrieved from the U.S. Patent Office (PAIR) on December 5, 2016, 313 pages.	
	18	Final Office Action mailed 05 June 2014, issued in connection with U.S. Patent Application No. 13/907666, filed on 31 May 2013, 12 pages.	
	19	Final Office Action mailed 13 July 2009, issued in connection with U.S. Patent Application No. 10/816217, filed on 01 April 2004, 16 pages.	
	20	Final Office Action mailed 13 September 2012, issued in connection with U.S. Patent Application No. 13/297000, filed on 15 November 2011, 17 pages.	
	21	Final Office Action mailed 18 November 2015, issued in connection with U.S. Patent Application No. 13/533105, filed on 26 June 2012, 56 pages.	
	22	Final Office Action mailed 21 October 2011, issued in connection with U.S. Patent Application No. 10/816217, filed on 01 April 2004, 19 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Final Office Action mailed 27 March 2014, issued in connection with U.S. Patent Application No. 13/533105, filed on 26 June 2012, 29 pages.	
	24	Final Office Action mailed 28 January 2011, issued in connection with U.S. Patent Application No. 10/816217, filed on 01 April 2004, 21 pages.	
	25	Final Office Action mailed 30 June 2008, issued in connection with U.S. Patent Application No. 10/816217, filed on 01 April 2004, 30 pages.	
	26	Final Office Action mailed on 02 June 2017, issued in connection with U.S. Patent Application No. 13/848932, filed on 22 March 2013, 32 pages.	
	27	Final Office Action mailed on 03 August 2015, issued in connection with U.S. Patent Application No. 13/848921, filed on 22 March 2013, 13 pages.	
	28	Final Office Action mailed on 03 December 2014, issued in connection with U.S. Patent Application No. 14/184528, filed on 19 February 2014, 12 pages.	
	29	Final Office Action mailed on 03 July 2012, issued in connection with U.S. Patent Application No. 13/298090, filed on 16 November 2011, 46 pages.	
	30	Final Office Action mailed on 03 June 2016, issued in connection with U.S. Patent Application No. 13/705176, filed on 05 December 2012, 24 pages.	
	31	Final Office Action mailed on 03 March 2015, issued in connection with U.S. Patent Application No. 13/864251, filed on 17 April 2013, 13 pages.	
	32	Final Office Action mailed on 04 March 2015, issued in connection with U.S. Patent Application No. 13/848904, filed on 22 March 2013, 16 pages.	
	33	Final Office Action mailed on 05 July 2013, issued in connection with U.S. Patent Application No. 13/618829, filed on 14 September 2012, 22 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Final Office Action mailed on 05 March 2015, issued in connection with U.S. Patent Application No. 13/888203, filed on 06 May 2013, 13 pages.	
	35	Final Office Action mailed on 07 January 2015, issued in connection with U.S. Patent Application Serial No. 13/848932, filed on 22 March 2013, 14 pages.	
	36	Final Office Action mailed on 08 March 2017, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 39 pages.	
	37	Final Office Action mailed on 09 March 2015, issued in connection with U.S. Patent Application No. 14/516867, filed on 17 October 2014, 14 pages.	
	38	Final Office Action mailed on 10 April 2017, issued in connection with U.S. Patent Application No. 15/243355, filed on 22 August 2016, 15 pages.	
	39	Final Office Action mailed on 10 August 2015, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 26 pages.	
	40	Final Office Action mailed on 11 August 2015, issued in connection with U.S. Patent Application No. 13/864247, filed on 17 April 2013, 15 pages.	
	41	Final Office Action mailed on 11 February 2015, issued in connection with U.S. Patent Application No. 14/184526, filed on 19 February 2014, 13 pages.	
	42	Final Office Action mailed on 11 February 2015, issued in connection with U.S. Patent Application No. 14/184,935, filed on 20 February 2014, 17 pages.	
	43	Final Office Action mailed on 11 July 2017, issued in connection with U.S. Patent Application No. 15/243186, filed on 22 August 2016, 13 pages.	
	44	Final Office Action mailed on 12 February 2015, issued in connection with U.S. Patent Application No. 14/184522, filed on 19 February 2014, 20 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Final Office Action mailed on 12 January 2017, issued in connection with U.S. Patent Application No. 14/504812, filed on 02 October 2014, 25 pages.	
	46	Final Office Action mailed on 13 December 2016, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 41 pages.	
	47	Final Office Action mailed on 13 October 2011, issued in connection with U.S. Patent Application No. 12/035112, filed on 21 February 2008, 10 pages.	
	48	Final Office Action mailed on 14 August 2009, issued in connection with U.S. Patent Application No. 11/147116, filed 06 June 2005, 28 pages.	
	49	Final Office Action mailed on 15 July, 2015, issued in connection with U.S. Patent Application No. 14/504812, filed on 02 October 2014, 18 pages.	
	50	Final Office Action mailed on 15 June 2015, issued in connection with U.S. Patent Application No. 14/184522, filed on 19 February 2014, 25 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Final Office Action mailed on 15 June 2017, issued in connection with U.S. Patent Application No. 15/228639, filed on 04 August 2016, 16 pages.	
	2	Final Office Action mailed on 15 May 2017, issued in connection with U.S. Patent Application No. 13/864252, filed on 17 April 2013, 13 pages.	
	3	Final Office Action mailed on 16 March 2011, issued in connection with U.S. Patent Application No. 11/147116, filed 06 June 2005, 40 pages.	
	4	Final Office Action mailed on 16 May 2017, issued in connection with U.S. Patent Application No. 13/864249, filed on 17 April 2013, 14 pages.	
	5	Final Office Action mailed on 16 May 2017, issued in connection with U.S. Patent Application No. 13/864250, filed on 17 April 2013, 12 pages.	
	6	Final Office Action mailed on 17 December 2014, issued in connection with U.S. Patent Application No. 13/533105, filed on 26 June 2012, 36 pages.	
	7	Final Office Action mailed on 19 October 2016, issued in connection with U.S. Patent Application No. 13/848921, filed on 22 March 2013, 14 pages.	
	8	Final Office Action mailed on 20 April 2017, issued in connection with U.S. Patent Application No. 13/864248, filed on 17 April 2013, 14 pages.	
	9	Final Office Action mailed on 21 January 2010, issued in connection with U.S. Patent Application No. 11/906702, filed on 02 October 2007, 27 pages.	
	10	Final Office Action mailed on 22 October 2014, issued in connection with U.S. Patent Application No. 14/186850, filed on 21 February 2014, 12 pages.	
	11	Final Office Action mailed on 23 October 2014, issued in conection with U.S. Patent Application No. 13/705176, filed on 05 December 2012, 23 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Final Office Action mailed on 24 December 2009, issued in connection with U.S. Patent Application No. 11/147116, filed on 06 June 2005, 29 pages.	
	13	Final Office Action mailed on 24 February 2016, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 28 pages.	
	14	Final Office Action mailed on 25 May 2016, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 33 pages.	
	15	Final Office Action mailed on 28 April 2015, issued in connection with U.S. Patent Application No. 14/186850, filed on 21 February 2014, 20 pages.	
	16	Final Office Action mailed on 28 June 2017, issued in connection with U.S. Patent Application No. 14/808875, filed on 24 July 2015, 14 pages.	
	17	Final Office Action mailed on 30 November 2015, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 26 pages.	
	18	Final Office Action mailed on 31 December 2015, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 34 pages.	
	19	Final Office Action mailed on 4 February 2019, issued in connection with U.S. Patent Application No. 15/091113, filed on 5 April 2016, 23 pages.	
	20	FireBall Digital Music Manager E-40 and E-120. Meet FireBall. The Industry's choice for managing your entire music collection. Datasheet. 2003, 2 pages.	
	21	Fireball DVD and Music Manager DVDM-100 Installation and User's Guide, Copyright 2003, 185 pages.	
	22	Fireball E2 User's Manual. Escient. Gracenote cddb. 2000-2004, 106 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Fireball MP-200 User's Manual, Copyright 2006, 93 pages.	
	24	Fireball Remote Control Guide WD006-1-1, Copyright 2003, 19 pages.	
	25	Fireball SE-D1 User's Manual, Copyright 2005, 90 pages.	
	26	First Action Interview Office Action Summary mailed on 15 April 2015, issued in connection with U.S. Patent Application No. 14/505027, filed on 02 October 2014, 6 pages.	
	27	First Action Pre-Interview Office Action mailed on 22 June 2017, issued in connection with U.S. Patent Application No. 14/516883, filed on 17 October 2014, 4 pages.	
	28	First Action Pre-Interview Office Action mailed on 22 June 2017, issued in connection with U.S. Patent Application No. 14/516883, filed on 17 October 2014, 5 pages.	
	29	First Office Action Interview mailed on 30 August 2017, issued in connection with U.S. Patent Application No. 14/516,883, filed on 17 October 2014, 5 pages.	
	30	FOBER et al., "Clock Skew Compensation over a High Latency Network," Proceedings of the ICMC, 2002, pp. 548-552.	
	31	FOUT, Tom, "Universal Plug and Play (UPnP) Client Support," Microsoft, August 2001, 18 pages.	
	32	Fried, John J. NewsRoom, Convergence melds personal computer, TV and stereo, 20 February 2003, 4 pages.	
	33	Fried, John J. Test Drive: Convergence melds personal computer, TV and stereo. Philadelphia Inquirer. 20 February 2003, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Fried, John J. Wireless solution for stereo sound, NewsRoom. 7 August 2003, 3 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	35	Fries et al. "The MP3 and Internet Audio Handbook: Your Guide to the Digital Music Revolution." 2000, 320 pages.	
	36	Frodigh, Magnus. Wireless ad hoc networking - The art of networking without a network, Ericsson Review No. 4, 2000, 16 pages.	
	37	FULTON et al., "The Network Audio System: Make Your Application Sing (As Well As Dance)!" The X Resource, 1994, 14 pages.	
	38	GASTON et al., "Methods for Sharing Stereo and Multichannel Recordings Among Planetariums," Audio Engineering Society Convention Paper 7474, 2008, 15 pages.	
	39	Gateway SOLO 5300 USER MANUAL, 305 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	40	General Event Notification Architecture Base: Client to Arbiter (April 2000) (23 pages).	
	41	Getting to know Logitech Squeezebox Touch Wi-Fi Music Player. Features Guide, 2010, 36 pages.	
	42	Godber et al. Secure Wireless Gateway. RightsLink. Arizona State University, pages 41- 46 [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	43	Golem, WLAN-MP3-Player zum Anschluss an die Stereoanlage, 1 June 2003, 2 pages.	
	44	Google's Answer to Complaint and Counterclaims filed with United States District Court Central District of California, Western Division on 2 March 2020, 50 pages. .	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Google's Counterclaims to Sonos's Complaint filed with United States District Court Central District of California, Western Division on 11 March 2020, 13 pages. .	
	46	Guttman, Erik. An API for the Zeroconf Multicast Address Allocation Protocol, 6 June 2001, 11 pages.	
	47	Guttman, Erik. Autoconfiguration for IP Networking: Enabling Local Communication, June 2001, 6 pages.	
	48	Guttman, Erik. Network Working Group, Zeroconf Host Profile Applicability Statement, Internet-Draft, 20 July 2001, 9 pages. .	
	49	HANS et al., "Interacting with Audio Streams for Entertainment and Communication," Proceedings of the Eleventh ACM International Conference on Multimedia, ACM, 2003, 7 pages.	
	50	Hawn, Andrew. TechTV, First Look: cd3o c300, 2004, 2 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	HERRE et al., "The Reference Model Architecture for MPEG Spatial Audio Coding," Audio Engineering Society Convention Paper (Presented at the 118th Convention), May 28-31, 2005, 13 pages.	
	2	High Fidelity. New Wave in Speaker Design. October 1980, 130 pages.	
	3	Home Networking with Universal Plug and Play, IEEE Communications Magazine, Vol. 39 No. 12 (December 2001) (D +M_0402025-40) (16 pages).	
	4	'Home Theater Control Systems," Cinema Source, 2002, 19 pages.	
	5	Home THX Audio System Room Equalization Manual Rev. 1.5, Lucafilm. Copyright 1995, 24 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	6	HomePod - Wireless Network Digital Music Player with FM Tuner, User Manual, 2003, 16 pages.	
	7	HomePod MP-100, Wireless Network Music Player, with USB Jukebox, Internet Radio, and FM Tuner, Specification, 2003, 2 pages.	
	8	HomePod. User Manual, Wireless Network Digital Audio Player with FM Tuner, 2003, 49 pages.	
	9	HORWITZ, Jeremy, "Logic3 i-Station25," retrieved from the internet: http://www.ilounge.com/index.php/reviews/entry/ logic3-i-station25/, last visited December 17, 2013, 5 pages.	
	10	How cd30 Network MP3 Players Work, 2 February 2004, 3 pages.	
	11	Howe et al. A Methodological Critique of Local Room Equalization Techniques, 5 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	HP Deskjet 5850 User Guide, copyright 2003, 217 pages.	
	13	HUANG C.M., et al., "A Synchronization Infrastructure for Multicast Multimedia at the Presentation Layer," IEEE Transactions on Consumer Electronics, 1997, pp. 370-380, Vol. 43, No. 3.	
	14	IBM Home Director Installation and Service Manual, Copyright1998, 124 pages.	
	15	IBM Home Director Owner's Manual, Copyright 1999, 67 pages.	
	16	IEEE Standards 802.3. Part 3: Carrier sense multiple access with collision detection CSMA/CD access method and physical layer specifications, 8 March 2002, 1562 pages.	
	17	ILIVE. User's Guide IS809B Wireless Speaker System, Copyright 2010, 12 pages.	
	18	Implicit, LLC v. Sonos, Inc. (No. 14-1330-RGA), Defendant's Original Complaint (Mar. 3, 2017) (15 pages).	
	19	Integra Audio Network Receiver NAC 2.3 Instruction Manual, 68 pages.	
	20	Integra Audio Network Server NAS 2.3 Instruction Manual, pp. 1-32.	
	21	Integra Service Manual, Audio Network Receiver Model NAC-2.3, December 2002, 44 pages.	
	22	Intel Announces WS-Discovery Spec for Joining Devices and Web Services, Intel Developer Forum Spring 2004, 17 February 2004, 4 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Intel Designing a UPnP AV Media Renderer, v. 1.0 ("Intel AV Media Renderer") (May 20, 2003) (SONDM000115117-62) (46 pages).	
	24	Intel Media Renderer Device Interface ("Intel Media Renderer") (September 6, 2002) (62 pages).	
	25	Intel SDK for UPnP Devices Programming Guide, Version 1.2.1, (November 2002) (30 pages).	
	26	Intel Sees Unified Platform and Ecosystem as Key to Enabling the Digital Home, Intel Developer Forum, 17 February 2004, 4 pages.	
	27	Intel Tools Validate First Solutions that Enable Devices to Work Together in the Digital Home, Intel Developer Forum, 17 February 2004, 2 pages.	
	28	Intel. User's Manual, An Intel Socket 478 Processor Based Mainboard. 27 March 2003, 96 pages.	
	29	INTERNATIONAL BUREAU, International Preliminary Report on Patentability mailed on 08 January 2015, issued in connection with International Application No. PCT/US2013/046372, filed on 18 June 2013, 6 pages.	
	30	INTERNATIONAL BUREAU, International Preliminary Report on Patentability, mailed on 08 January 2015, issued in connection with International Application No. PCT/US2013/046386, filed on 18 June 2013, 8 pages.	
	31	INTERNATIONAL BUREAU, International Preliminary Report on Patentability mailed on 30 January 2014, issued in connection with International Application No. PCT/US2012/045894, filed on 09 July 2012, 6 pages.	
	32	INTERNATIONAL SEARCHING AUTHORITY, International Search Report mailed on 01 August 2008, in connection with International Application No. PCT/US2004/023102, 5 pages.	
	33	INTERNATIONAL SEARCHING AUTHORITY, International Search Report mailed on 26 August 2013, issued in connection with International Application No. PCT/US2013/046372, filed on 18 June 2013, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	INTERNATIONAL SEARCHING AUTHORITY, International Search Report mailed on 26 December 2012, issued in connection with International Application No. PCT/US2012/045894, filed on 09 July 2012, 3 pages.	
	35	INTERNATIONAL SEARCHING AUTHORITY, International Search Report mailed on 30 September 2013, issued in connection with International Application No. PCT/US2013/046386, filed on 18 June 2013, 3 pages.	
	36	INTERNATIONAL SEARCHING AUTHORITY, Written Opinion mailed on 26 August 2013, issued in connection with International Application No. PCT/US2013/046372, filed on 18 June 2013, 4 pages.	
	37	INTERNATIONAL SEARCHING AUTHORITY, Written Opinion mailed on 26 December 2012, issued in connection with International Application No. PCT/US2012/045894, filed on 09 July 2012, 4 pages.	
	38	INTERNATIONAL SEARCHING AUTHORITY, Written Opinion mailed on 30 September 2013, issued in connection with International Application No. PCT/US2013/046386, filed on 18 June 2013, 6 pages.	
	39	Introducing ROOMLINK Network Media Receiver - PCNA-MR10, Sony Vaio, 2003, 2 pages.	
	40	IPR Details - Apple Computer's Statement About IPR Claimed in draft-ietf-zeroconf-ipv4- linklocal, 26 April 2004, 3 pages.	
	41	ISHIBASHI et al., "A Comparison of Media Synchronization Quality Among Reactive Control Schemes," IEEE Infocom, 2001, pp. 77-84.	
	42	ISHIBASHI et al., "A Group Synchronization Mechanism for Live Media in Multicast Communications," IEEE Global Telecommunications Conference, 1997, pp. 746-752, Vol. 2.	
	43	ISHIBASHI et al., "A Group Synchronization Mechanism for Stored Media in Multicast Communications," IEEE Information Revolution and Communications, 1997, pp. 692-700, Vol. 2.	
	44	Issues with Mixed IEEE 802.b/802.11g Networks, AVAGO0058, Agere Systems, February 2004, 5 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	JAPANESE PATENT OFFICE, Decision of Rejection mailed on 08 July 2014, issued in connection with Japanese Patent Application No. 2012-178711, 3 pages.	
	46	JAPANESE PATENT OFFICE, Final Office Action mailed on 08 November 2016, issued in connection with Japanese Patent Application No. 2015-520286, 5 pages.	
	47	JAPANESE PATENT OFFICE, Notice of Rejection, mailed on 03 February 2015, issued in connection with Japanese Patent Application No. 2014-521648, 7 pages.	
	48	JAPANESE PATENT OFFICE, Notice of Rejection mailed on 15 September 2015, issued in connection with Japanese Patent Application No. 2014-220704, 7 pages.	
	49	JAPANESE PATENT OFFICE, Office Action mailed on 22 November 2016, issued in connection with Japanese Application No. 2015-520288, 6 pages.	
	50	JAPANESE PATENT OFFICE, Office Action mailed on 24 May 2016, issued in connection with Japanese Patent Application No. 2014-220704, 7 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	JAPANESE PATENT OFFICE, Office Action mailed on 29 March 2016, issued in connection with Japanese Patent Application No. JP2015-520288, 12 pages.	
	2	JAPANESE PATENT OFFICE, Office Action mailed on 29 November 2016, issued in connection with Japanese Application No. 2015-516169, 4 pages.	
	3	JAPANESE PATENT OFFICE, Office Action Summary mailed on 02 February 2016, issued in connection with Japanese Patent Application No. 2015-520286, 6 pages.	
	4	JAPANESE PATENT OFFICE, Office Action Summary mailed on 19 November 2013, issued in connection with Japanese Patent Application No. 2012-178711, 5 pages.	
	5	JO et al., "Synchronized One-to-many Media Streaming with Adaptive Playout Control," Proceedings of SPIE, 2002, pp. 71-82, Vol. 4861.	
	6	Johnson, Ian. SMC EZ-Stream Universal Wireless Multimedia Receiver - The Globe and Mail, 3 December 2003, 6 pages.	
	7	JONES, Stephen, "Dell Digital Audio Receiver: Digital upgrade for your analog stereo," Analog Stereo, 24 June 2000 http://www.reviewsonline.com/articles/961906864.htm retrieved 18 June 2014, 2 pages.	
	8	Kostiainen, K., Intuitive Security Initiation Using Location-Limited Channels. Helsinki University of Technology, Master's Thesis 14 April 2004, 86 pages.	
	9	KOU et al., "RenderingControl:1 Service Template Verion 1.01," Contributing Members of the UPnP Forum, June 25, 2002, 63 pages.	
	10	Kraemer, Alan. Two Speakers Are Better Than 5.1 - IEEE Spectrum, 1 May 2001, 6 pages.	
	11	LA Audio ZX135E 6 Zone Expander. Pro Audio Design Pro. Inc. https://www.proaudiodesign.com/products/la-audio-zx135e-6-zone-expander, accessed March 26, 2020, 6 pages. .	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Lake Processors: Lake® LM Series Digital Audio Processors Operation Manual, 2011, 71 pages.	
	13	LEVERGOOD et al., "AudioFile: A Network-Transparent System for Distributed Audio Applications," Digital Equipment Corporation, 1993, 109 pages.	
	14	LG: RJP-201M Remote Jack Pack Installation and Setup Guide, 2010, 24 pages.	
	15	LIENHART et al., "On the Importance of Exact Synchronization for Distributed Audio Signal Processing," Session L: Poster Session II - ICASSP'03 Papers, 2002, 1 page.	
	16	Linksys 2.4GHz Wireless-B - User Guide Media Link for Music Model WML11B/WMLS11B, 68 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	17	Linksys 2.4GHz Wireless-B - User Guide V2 Model WMA11B, 68 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	18	LinkSys by Cisco, Wireless Home Audio Controller, Wireless-N Touchscreen Remote DMRW1000 Datasheet, Copyright 2008, 2 pages.	
	19	LinkSys by Cisco, Wireless Home Audio Controller, Wireless-N Touchscreen Remote DMRW1000 User Guide, Copyright 2008, 64 pages.	
	20	LinkSys by Cisco, Wireless Home Audio Player, Wireless-N Music Extender DMP100 Quick Installation Guide, Copyright 2009, 32 pages.	
	21	LinkSys by Cisco, Wireless Home Audio Player, Wireless-N Music Extender DMP100 User Guide, Copyright 2008, 65 pages.	
	22	Linksys. Quick Installation for Windows XP ONLY. Wireless-B Media Adapter, 2 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Linksys. Wireless Adapters, 2003, 2 pages.	
	24	Linksys Wireless Music Network Setup, 76 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	25	Linksys. Wireless PrintServer, User Guide, Model No.: WPS11 Version 3, 2002, 31 pages.	
	26	Linksys Wireless-B Media Adapter - User Guide V1 Model WMA11B, 2003, 32 pages.	
	27	Linksys. Wireless-B Media Adapter, Product Data, Model No.: WMA11B, 2003, 2 pages.	
	28	Linksys. Wireless-B Media Adapter, WMA11B, 2003, 2 pages.	
	29	Linux SDK for UPnP Devices v. 1.2 (Sep. 6, 2002) (101 pages).	
	30	"Linux SDK for UPnP Devices vl.2," Intel Corporation, January 17, 2003, 102 pages.	
	31	LIU et al., "A synchronization control scheme for real-time streaming multimedia applications," Packet Video, 2003, 10 pages, Vol. 2003.	
	32	LIU et al., "Adaptive Delay Concealment for Internet Voice Applications with Packet-Based Time-Scale Modification," Information Technologies 2000, pp. 91-102.	
	33	Ljungstrand et al. UBICOMP 2002, Adjunct Proceedings, Fourth International Conference on Ubiquitous Computing, 2002, 90 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Logitech Slimserver. Server for Logitech Squeezebox Players. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	35	Logitech/slimserver. Github. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	36	Logitech/Slimserver. Github. Version 2.3 Release. 19 May 2002. 2 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	37	LOUDERBACK, Jim, "Affordable Audio Receiver Furnishes Homes With MP3," TechTV Vault. 28 June 2000 retrieved 10 July 2014, 2 pages.	
	38	Malik, Om. Wi-Fi Goes Hi-Fi. MIT Technology Review, 18 April 2003, 8 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	39	Maniactools, "Identify Duplicate Files by Sound," 09/28/2010, http://www.maniactools.com/soft/music-duplicate-remover/identify-duplicate-files-by-sound.shtml.	
	40	Marchetti, Nino. EdgeReview, CES 2003 Home Network Entertainment, 28 January 2003, 2 pages.	
	41	McGlaun, Shane. Best Buy unveils new Rocketboost RF-RBKIT whole home audio solution and more. 22 October 2009, 7 pages.	
	42	MediaLounge Entertainment Network D-Link DSM-320 Wireless Media Player Manual v 1.0, 59 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	43	MediaRenderer:1 Device Template Version 1.01 For UPnP, Version 1.0 (June 25, 2002) (12 pages).	
	44	MediaServer:1 Device Template Version 1.01 For UPnP, Version 1.0 (June 25, 2002) (12 pages).	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Microsoft, Universal Plug and Play (UPnP) Client Support ("Microsoft UPnP") (August 2001) (D+M_0402007-24) (18 pages).	
	46	Microsoft Window's XP Reviewer's Guide (August 2001) (D+M_0402225-85) (61 pages).	
	47	"Microsoft Windows XP File and Printer Share with Microsoft Windows" Microsoft Windows XP Technical Article, 2003, 65 pages.	
	48	Microsoft Windows XP Student Edition Complete. University of Salford. Custom Guide Learn on Demand, 2004, 369 pages.	
	49	Micro-Star International. 865PE Neo2. MS-6728 v1.X ATX Mainboard. Version 1.1. April 2003, 118 pages.	
	50	Miller II, Stanley. Technology gets simpler and smarter. JSOnline Milwaukee Journal Sentinel, 13 January 2003, 3 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	MILLS David L., "Network Time Protocol (Version 3) Specification, Implementation and Analysis," Network Working Group, March 1992, 7 pages.	
	2	MILLS, David L., "Precision Synchronization of Computer Network Clocks," ACM SIGCOMM Computer Communication Review, 1994, pp. 28-43, Vol. 24, No. 2.	
	3	"Model MRC44 Four Zone - Four Source Audio/Video Controller/Amplifier System," Xantech Corporation, 2002, 52 pages.	
	4	Model MRC88 Eight Zone - Eight Source Audio/Video Controller/Amplifier System," Xantech Corporation, 2003, 102 pages.	
	5	Moses, B., Home Networking Using IEEE 1394 in Combination with Other Networking Technologies. Audio Delivery. The Changing Home Experience -AES 17 UK Conference 2002, 16 pages.	
	6	MOTOROLA, "Simplefi, Wireless Digital Audio Receiver, Installation and User Guide," December 31, 2001, 111 pages.	
	7	"SMPTE Made Simple: A Time Code Tutor by Timeline," 1996, 46 pages.	
	8	Muherim et al. On the Performance of Clock Synchronization Algorithms for a Distributed Commodity Audio System. Audio Engineering Society Convention Paper presented at 114th Convention 22-25 March 2003, 12 pages.	
	9	Multi-Easy/Multi-Sound. C-Media Xear 3D Sound Solution for USB Multi-Channel. User Manual, Revision: 1.0, January 2004, 29 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	10	Multi-Zone Control Systems. ZR-8630AV MultiZone Receiver. Niles. http://www.ampersandcom.com/zr8630av.html accessed March 26, 2020, 5 pages.	
	11	Murph, Darren. Rocketfish Wireless Whole Home Audio System Cuts the Cord on All Your Speakers. Engadget. 23 October 2009, 9 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Musica 5000 Series. Multi-Room Audio System, NetStreams, 2005, 7 pages.	
	13	Musica MU4602. Audio Distribution System. Data Sheet, 2004, 2 pages.	
	14	Musica MUR2E Network Interface. NetStreams Creating the future of home entertainment - today, 2004, 2 pages.	
	15	Musica MUR2EM Network Interface. NetStreams The IP Based Distributed Entertainment Company, 2005, 2 pages.	
	16	MusicCAST. Interactive Wireless. Home Music Network System, 6 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	17	MusicCAST System – About the Quick Manual, 1999, 7 pages.	
	18	Musicmatch. Jukebox Basic. Setup, 7 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	19	NETGEAR. User's Manual for the MP101 Digital Music Player, Version 1.2, May 2004, 48 pages.	
	20	NetStreams. Musica MU4602 Audio Distribution System. Data Sheet. Copyright 2004, 2 pages.	
	21	NetStreams Musica MU5066. Multi-Room Audio System. Installation and User's Guide, 2005, 44 pages. .	
	22	NetStreams Musica. NS-MU4602 Audio Distribution System, Integration & Design Guide. The IP-Based Audio Distribution Company, 2004, 22 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	NetStreams. Panorama PAN6400 Multi-Room Video & Control System Installation Guide, 1 January 2006, 64 pages.	
	24	NetStreams Product Catalog 2003-2004. Creating the Future of Home Entertainment Today 20 pages.	
	25	Network Time Protocol (NTP), RFC 1305 (Mar. 1992) (D+M_0397417-536) (120 pages).	
	26	Network Working Group. Zeroconf Multicast Address Allocation Protocol, Internet-Draft, 22 October 2002, 14 pages.	
	27	NewRoom. Sirius, XM Companies Flood Cedia with New Products, 15 September 2003, 2 pages.	
	28	NewRoom. SMC Ships New EZ-Stream Universal 80211ag Wireless Router, 14 January 2004, 3 pages.	
	29	NewsRoom. AP DataStream, Wall Street Journal Digest, 15 January 2004, 3 pages.	
	30	NewsRoom. AP Online, AP Technology NewsBrief. 26 December 2003, 2 pages.	
	31	NewsRoom. AP Online, AP Technology NewsBrief. 27 December 2003, 2 pages.	
	32	NewsRoom. Belleville News Democrat, TUNES, PICTURES FROM COMPUTER CAN BE SENT TO YOUR TV, STEREO, 27 December 2003, 2 pages.	
	33	NewsRoom. BridgeCo Successfully Concludes Second Financing Round of US $13.3 Million, Business Wire, 9 January 2003, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	NewsRoom. Business Line, Cisco arm rolls out products for SOHO. 5 November 2003, 2 pages.	
	35	NewsRoom. Business Wire, BridgeCo Adds Wireless Connectivity and Enhances Surround Sound Processing for New Generation Speakers. 5 May 2003, 3 pages.	
	36	NewsRoom. Business Wire, BridgeCo Launches Entertainment Network Adapter at CES2003, 9 January 2003, 3 pages.	
	37	NewsRoom. Business Wire, BridgeCo Launches Entertainment Network Adapter for Pro Audio at NAMM Show, 16 January 2003, 3 pages.	
	38	NewsRoom. Business Wire, BridgeCo Opens USA Business Development HQ in Silicon Valley and Expands Management Team, 15 March 2004, 3 pages.	
	39	NewsRoom. Business Wire, BridgeCo Releases Silicon and Firmware Platform Compatible with Microsoft Windows Media Connect and Windows Media DRM Technology. 3 May 2004, 3 pages.	
	40	NewsRoom. Business Wire, CSR and BridgeCo Launch Design for New Generation Wireless Speakers; Transforms Traditional Speakers into Portable Internet Radio, 6 May 2003, 3 pages.	
	41	NewsRoom. Business Wire, Epson Announces the EPSON Stylus Photo 900: The First Photo Printer Under $200 to Print Directly Onto CDs and DVDs; New Printer Offers a Complete Printing Solution for Digital Lifestyles, 16 April 2003, 4 pages.	
	42	NewsRoom. Business Wire, Good Guys Unveils Top 10 Holiday Electronics Gifts; Advances in Technology and Lower Prices Across the Industry Make for Great Deals on In-Demand Products This Season, 3 December 2003, 3 pages.	
	43	NewsRoom. Bytestechnology Briefing, 19 February 2002, 2 pages.	
	44	NewsRoom. CEA Announces 2007 Mark of Excellence Award Winners, 10 March 2007, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	NewsRoom. CEDIA Abuzz with Trends -- Integrators agree: The hot products at this year's expo are the start of a revolutionary move for the home automation market. 9 October 2006, 4 pages.	
	46	NewsRoom. Chicago Sun Times, Wireless stream player hits the right notes, 17 January 2004, 3 pages.	
	47	NewsRoom. Computer Shopper, Entertainment geekly: the blueprints have been drawn for a connected home that fuses the PC with entertainment devices. All you have to do is install..., 1 November 2003, 6 pages.	
	48	NewsRoom. Computer Shopper, Tunes all around, Volume 23; Issue 11, 1 November 2003, 1 page.	
	49	NewsRoom. Computer Shopper, What we want: here's the gear our editors are wishing for this year, Volume 23; Issue 12, 1 December 2003, 8 pages.	
	50	NewsRoom. Computer Shopper, Wi-Fi meets Hi-Fi: here's how to stream music, still images, and videos to your home entertainment center, 1 November 2003, 5 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	None				

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	None				

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1	None						

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Evans, D. In-home Wireless Networking: An Entertainment Perspective. Electronics and Communication Engineering Journal, October 2001, 7 pages [produced by Google in Inv. No. 337-TA-1191 on December 9, 2020].	
	2	Hara, Yoshiko. Digital Home Working Group to seek platform compatibility. 27 June 2003, 2 pages [produced by Google in Inv. No. 337-TA-1191 on December 9, 2020].	
	3	Ho et al. TUAM 2.4. UWB Technology for Wireless Video Networking. Fantasma Networks, 2001, 2 pages [produced by Google in Inv. No. 337-TA-1191 on December 9, 2020].	
	4	Kangas, Mauri. Authentication and Authorization in Universal Plug and Play Home Networks. Helsinki University of Technology, 12 pages [produced by Google in Inv. No. 337-TA-1191 on December 9, 2020].	
	5	Sonos, Inc. v. Google LLC, Expert Report of Matthew B. Shoemake, PH.D., Regarding the Invalidity of U.S. Patent No. 10,439,896 [Redacted 9 December 2020] dated 23 October 2020, 659 pages.	
	6	Universal Serial Bus Specification Revision 1.1 September 23, 1998, 327 pages. [produced by Google in Inv. No. 337-TA-1191 on December 9, 2020].	
	7	Win98/ME:No Installation Code, 6pages. [produced by Google in Inv. No. 337-TA-1191 on December 9, 2020].	
	8	Windows Executable 32bit for Windows 95 and Windows NT, 4 pages. [produced by Google in Inv. No. 337-TA-1191 on December 9, 2020].	
	9	Zero Configuration Networking - Zeroconf. Chairs, 3 pages [produced by Google in Inv. No. 337-TA-1191 on December 9, 2020].	
	10	Zero Configuration Networking - Zeroconf. www.zeroconf.org, 4 pages [produced by Google in Inv. No. 337-TA-1191 on December 9, 2020].	
	11	Sonos, Inc. v. Google LLC, Rebuttal Expert Report of Jon B. Weissman, Regarding Validity of U.S. Patent No. 10,439,896 [Redacted 29 January 2021] dated 13 November 2020, 417 pages	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Sonos, Inc. v. Google LLC, Direct Witness Statement of Matthew Shoemake [Redacted 29 January 2021] dated 18 December 2020, 646 pages	
	13	Sonos, Inc. v. Google LLC, Rebuttal Witness Statement of Jon B. Weissman Regarding Validity of U.S. Patent No. 8,588,949 and 10,439,896 [Redacted 29 January 2021] dated 8 January 2021, 736 pages	
	14	Sonos, Inc. v. Google LLC, Respondent Google's Pre-Trial Brief [Redacted 29 January 2021] dated 22 January 2021, 516 pages	
	15	Sonos, Inc. v. Google LLC, Complainant Sonos, Inc.'s Pre-Hearing Brief [Redacted 29 January 2021] dated 22 January 2021, 513 pages	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2021-02-03
Name/Print	Brandon J. Kennedy	Registration Number	67894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc Code: TRACK1.REQ
Document Description: TrackOne Request

PTO/AIA/424 (04-14)

CERTIFICATION AND REQUEST FOR PRIORITIZED EXAMINATION UNDER 37 CFR 1.102(e) (Page 1 of 1)

First Named Inventor:	Nicholas A.J. Millington	Nonprovisional Application Number (if known):	17018401
Title of Invention:	Playback Device Connection		

APPLICANT HEREBY CERTIFIES THE FOLLOWING AND REQUESTS PRIORITIZED EXAMINATION FOR THE ABOVE-IDENTIFIED APPLICATION.

1. The processing fee set forth in 37 CFR 1.17(i)(1) and the prioritized examination fee set forth in 37 CFR 1.17(c) have been filed with the request. The publication fee requirement is met because that fee, set forth in 37 CFR 1.18(d), is currently $0. The basic filing fee, search fee, and examination fee are filed with the request or have been already been paid. I understand that any required excess claims fees or application size fee must be paid for the application.

2. I understand that the application may not contain, or be amended to contain, more than four independent claims, more than thirty total claims, or any multiple dependent claims, and that any request for an extension of time will cause an outstanding Track I request to be dismissed.

3. The applicable box is checked below:

I. ☐ Original Application (Track One) - Prioritized Examination under § 1.102(e)(1)

i. (a) The application is an original nonprovisional utility application filed under 35 U.S.C. 111(a). This certification and request is being filed with the utility application via EFS-Web.

---OR---

(b) The application is an original nonprovisional plant application filed under 35 U.S.C. 111(a). This certification and request is being filed with the plant application in paper.

ii. An executed inventor's oath or declaration under 37 CFR 1.63 or 37 CFR 1.64 for each inventor, **or** the application data sheet meeting the conditions specified in 37 CFR 1.53(f)(3)(i) is filed with the application.

II. ☑ Request for Continued Examination - Prioritized Examination under § 1.102(e)(2)

i. A request for continued examination has been filed with, or prior to, this form.
ii. If the application is a utility application, this certification and request is being filed via EFS-Web.
iii. The application is an original nonprovisional utility application filed under 35 U.S.C. 111(a), or is a national stage entry under 35 U.S.C. 371.
iv. This certification and request is being filed prior to the mailing of a first Office action responsive to the request for continued examination.
v. No prior request for continued examination has been granted prioritized examination status under 37 CFR 1.102(e)(2).

Signature /Brandon J. Kennedy/	Date 2021-02-03
Name (Print/Typed) Brandon J. Kennedy	Practitioner Registration Number 67894

Note: *This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. Submit multiple forms if more than one signature is required.**

☐ *Total of _____ forms are submitted.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/018,401	09/11/2020	Nicholas A.J. Millington	05-0601-CON0920	6116

135176 7590 02/12/2021

LS3 Sonos
Lee Sullivan Shea & Smith LLP
656 W. Randolph St.
Floor 5W
Chicago, IL 60661

EXAMINER	
MADAMBA, GLENFORD J	

ART UNIT	PAPER NUMBER
2451	

NOTIFICATION DATE	DELIVERY MODE
02/12/2021	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ls3_docketing@cardinal-ip.com
york@ls3ip.com

Decision Granting Request for Prioritized Examination (Track I)	**Application No.** 17/018,401	**Applicant(s)** Millington et al.	
	Examiner BRIAN W BROWN	**Art Unit** OPET	**AIA (FITF) Status** No

1. THE REQUEST FILED 03 February 2021 IS **GRANTED** .

The above-identified application has met the requirements for prioritized examination

A. ☐ for an original nonprovisional application (Track I).
B. ☑ for an application undergoing continued examination (RCE).

2. **The above-identified application will undergo prioritized examination**. The application will be accorded special status throughout its entire course of prosecution until one of the following occurs:

A. filing a **petition for extension of time** to extend the time period for filing a reply;

B. filing an **amendment to amend the application to contain more than four independent claims, more than thirty total claims** , or a multiple dependent claim;

C. filing a **request for continued examination** ;

D. filing a notice of appeal;

E. filing a request for suspension of action;

F. mailing of a notice of allowance;

G. mailing of a final Office action;

H. completion of examination as defined in 37 CFR 41.102; or

I. abandonment of the application.

Telephone inquiries with regard to this decision should be directed to BRIAN BROWN at (571)272-5338. In his/her absence, calls may be directed to Petition Help Desk at (571) 272-3282.

/BRIAN W BROWN/ Petitions Examiner, OPET	

U.S. Patent and Trademark Office
PTO-2298 (Rev. 02-2012)

Doc Code: DIST.E.FILE **Document Description: Electronic Terminal Disclaimer - Filed**	PTO/SB/25 U.S. Patent and Trademark Office Department of Commerce

Electronic Petition Request	**TERMINAL DISCLAIMER TO OBVIATE A PROVISIONAL DOUBLE PATENTING REJECTION OVER A PENDING "REFERENCE" APPLICATION**
Application Number	17018401
Filing Date	11-Sep-2020
First Named Inventor	Nicholas Millington
Attorney Docket Number	05-0601-CON0920
Title of Invention	Playback Device Connection

☒ Filing of terminal disclaimer does not obviate requirement for response under 37 CFR 1.111 to outstanding Office Action

☒ This electronic Terminal Disclaimer is not being used for a Joint Research Agreement.

Owner	Percent Interest
Sonos, Inc.	100%

The owner(s) of percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of any patent granted on pending reference Application Number(s)

16298515 filed on 03/11/2019

as the term of any patent granted on said reference application may be shortened by any terminal disclaimer filed prior to the grant of any patent on the pending reference application. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and any patent granted on the reference application are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of any patent granted on the instant application that would extend to the expiration date of the full statutory term of any patent granted on said reference application, "as the term of any patent granted on said reference application may be shortened by any terminal disclaimer filed prior to the grant of any patent on the pending reference application," in the event that any such patent granted on the pending reference application: expires for failure to pay a maintenance fee, is held unenforceable, is found invalid by a court of competent jurisdiction, is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321, has all claims canceled by a reexamination certificate, is reissued, or is in any manner terminated prior to the expiration of its full statutory term as shortened by any terminal disclaimer filed prior to its grant.

◉ Terminal disclaimer fee under 37 CFR 1.20(d) is included with Electronic Terminal Disclaimer request.

○ I certify, in accordance with 37 CFR 1.4(d)(4), that the terminal disclaimer fee under 37 CFR 1.20(d) required for this terminal disclaimer has already been paid in the above-identified application.	
Applicant claims the following fee status: ○ Small Entity ○ Micro Entity ◉ Regular Undiscounted I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.	
THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES I certify, in accordance with 37 CFR 1.4(d)(4) that I am: ◉ An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application Registration Number 67894 ○ A sole inventor ○ A joint inventor; I certify that I am authorized to sign this submission on behalf of all of the inventors as evidenced by the power of attorney in the application ○ A joint inventor; all of whom are signing this request	
Signature	/Brandon J. Kennedy/
Name	Brandon J. Kennedy

*Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner).
Form PTO/SB/96 may be used for making this certification. See MPEP § 324.

Doc Code: DISQ.E.FILE
Document Description: Electronic Terminal Disclaimer – Approved

Application No.: 17018401

Filing Date: 11-Sep-2020

Applicant/Patent under Reexamination: Millington

Electronic Terminal Disclaimer filed on March 2, 2021

☒ APPROVED

This patent is subject to a terminal disclaimer

☐ DISAPPROVED

Approved/Disapproved by: Electronic Terminal Disclaimer automatically approved by EFS-Web

U.S. Patent and Trademark Office

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

135176 7590 03/09/2021

LS3 Sonos
Lee Sullivan Shea & Smith LLP
656 W. Randolph St.
Floor 5W
Chicago, IL 60661

EXAMINER
MADAMBA, GLENFORD J

ART UNIT	PAPER NUMBER
2451	

DATE MAILED: 03/09/2021

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/018,401	09/11/2020	Nicholas A.J. Millington	05-0601-CON0920	6116

TITLE OF INVENTION: Playback Device Connection

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	06/09/2021

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at www.uspto.gov/PatentMaintenanceFees.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

135176 7590 03/09/2021

LS3 Sonos
Lee Sullivan Shea & Smith LLP
656 W. Randolph St.
Floor 5W
Chicago, IL 60661

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/018,401	09/11/2020	Nicholas A.J. Millington	05-0601-CON0920	6116

TITLE OF INVENTION: Playback Device Connection

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	06/09/2021

EXAMINER	ART UNIT	CLASS-SUBCLASS
MADAMBA, GLENFORD J	2451	709-222000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

❑ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-09 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1_____
2_____
3_____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ❑ Individual ❑ Corporation or other private group entity ❑ Government

4a. Fees submitted: ❑Issue Fee ❑Publication Fee (if required) ❑Advance Order - # of Copies _____

4b. Method of Payment: *(Please first reapply any previously paid fee shown above)*

❑ Electronic Payment via EFS-Web ❑ Enclosed check ❑ Non-electronic payment by credit card (Attach form PTO-2038)

❑ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

5. **Change in Entity Status** (from status indicated above)

❑ Applicant certifying micro entity status. See 37 CFR 1.29

❑ Applicant asserting small entity status. See 37 CFR 1.27

❑ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/018,401	09/11/2020	Nicholas A.J. Millington	05-0601-CON0920	6116

135176 7590 03/09/2021

LS3 Sonos
Lee Sullivan Shea & Smith LLP
656 W. Randolph St.
Floor 5W
Chicago, IL 60661

EXAMINER	
MADAMBA, GLENFORD J	
ART UNIT	PAPER NUMBER
2451	

DATE MAILED: 03/09/2021

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 17/018,401	Applicant(s) Millington et al.	
	Examiner GLENFORD J MADAMBA	Art Unit 2451	AIA (FITF) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☑ This communication is responsive to 3 February 2021.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☑ The allowed claim(s) is/are 1-30 . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see **http://www.uspto.gov/patents/init_events/pph/index.jsp** or send an inquiry to **PPHfeedback@uspto.gov.**

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   Certified copies:

   a) ☐ All b) ☐ Some *c) ☐ None of the:

   1. ☐ Certified copies of the priority documents have been received.
   2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☑ Notice of References Cited (PTO-892)
2. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.
4. ☑ Interview Summary (PTO-413), Paper No./Mail Date. _____.
5. ☐ Examiner's Amendment/Comment
6. ☑ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/GLENFORD J MADAMBA/
Primary Examiner, Art Unit 2451

Notice of Pre-AIA or AIA Status

1. The present application is being examined under the pre-AIA first to invent provisions.

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's claim amendments and IDS submission dated December 4, 2020 has been entered.

Allowable Subject Matter

1. 1. The numbering of original claims 1-30 is maintained. No claims have been canceled, and no new claims have been added.

2. The following is an examiner's statement of reasons for allowance:

The Office has considered Applicant's IDS references filed post-allowance on 12/4/2020, and maintains the allowability of the application as none of the references of the IDS include

teachings or disclosures that fully disclose the previously allowed claims and/or necessitate withdrawal of the previous allowance of the application. No other pertinent candidate prior art has been identified to fully and reasonably disclose the claims, either individually or in combination, and the Office accordingly maintains the allowance of the claims. The Office also notes and remarks that the application claims are *re-allowed* for the reasons stated previously on the Notice of Allowance dated 11/30/2020:

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Glenford Madamba whose telephone number is 571-272- 7989. The examiner can normally be reached on Monday-Friday 7:00AM-4: 30PM, first Fridays OFF.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher Parry can be reached on 571-272-8328. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, .contact the Electronic Business Center

(EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/GLENFORD J MADAMBA/
Primary Examiner, Art Unit 2451

Examiner-Initiated Interview Summary	**Application No.** 17/018,401	**Applicant(s)** Millington et al.		
	Examiner GLENFORD J MADAMBA	**Art Unit** 2451	**AIA (First Inventor to File) Status** No	**Page** 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	**Title**	**Type**
GLENFORD J MADAMBA	Primary Examiner	Telephonic
Brandon Kennedy (Reg. No. 67,894)	Attorney of Record	

Date of Interview: 25 February 2021

Issues Discussed:

Other

The Office reached out to Applicant's representative to request / discuss the filing of a terminal disclaimer for the allowable application claims, and Applicant's representative stated that he would file the terminal disclaimer as requested. The Office thanks Applicant's representative for his time and assistance in this matter.

/GLENFORD J MADAMBA/ Primary Examiner, Art Unit 2451	

Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04
Please further see:
MPEP 713.04
Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b)
37 CFR § 1.2 Business to be transacted in writing

Applicant recordation instructions: It is not necessary for applicant to provide a separate record of the substance of interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

Notice of References Cited	Application/Control No. 17/018,401	Applicant(s)/Patent Under Reexamination Millington et al.	
	Examiner GLENFORD J MADAMBA	Art Unit 2451	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20040168081-A1	08-2004	Ladas, Corey M.	H04L63/0428	726/8
*	B	US-20020124097-A1	09-2002	Isely, Larson J.	H04L12/2805	709/231
*	C	US-20040133689-A1	07-2004	Vasisht, Samrat	H04L61/2061	709/228
	D					
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/018,401	Millington et al.
	Examiner	**Art Unit**
	GLENFORD J MADAMBA	2451

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS										
☐ Claims renumbered in the same order as presented by applicant					☐ CPA		☐ T.D.		☐ R.1.47	
CLAIM		**DATE**								
Final	Original	11/21/2020								
1	1	=								
2	2	=								
3	3	=								
4	4	=								
5	5	=								
6	6	=								
7	7	=								
8	8	=								
9	9	=								
10	10	=								
11	11	=								
12	12	=								
13	13	=								
14	14	=								
15	15	=								
16	16	=								
17	17	=								
18	18	=								
19	19	=								
20	20	=								
21	21	=								
22	22	=								
23	23	=								
24	24	=								
25	25	=								
26	26	=								
27	27	=								
28	28	=								
29	29	=								
30	30	=								

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/018,401	Millington et al.
	Examiner	Art Unit
	GLENFORD J MADAMBA	2451

CPC								
Symbol							Type	Version
H04L	/	41	/	22			F	2013-01-01
H04L	/	65	/	60			I	2013-01-01
G06F	/	3	/	04842			I	2013-01-01
G06F	/	3	/	0482			I	2013-01-01
H04L	/	63	/	20			I	2013-01-01
H04L	/	67	/	02			I	2013-01-01
H04L	/	67	/	10			I	2013-01-01
H04L	/	12	/	2809			I	2013-01-01
H04L	/	41	/	0809			I	2013-01-01
H04W	/	12	/	08			I	2013-01-01
H04W	/	12	/	50			I	2021-01-01
H04W	/	12	/	04			I	2013-01-01
H04L	/	63	/	10			I	2013-01-01
H04L	/	41	/	0803			I	2013-01-01
H04L	/	12	/	2807			I	2013-01-01
H04L	/	12	/	28			I	2013-01-01
G06F	/	3	/	0481			I	2013-01-01
G06F	/	3	/	04847			I	2013-01-01
H04L	/	67	/	141			I	2013-01-01
H04L	/	12	/	2803			I	2013-01-01
H04L	/	41	/	28			A	2013-01-01
H04L	/	63	/	0823			A	2013-01-01
H04W	/	84	/	12			A	2013-01-01
H04L	/	2012	/	2841			A	2013-01-01
H04L	/	2012	/	2849			A	2013-01-01
H04L	/	63	/	065			A	2013-01-01

CPC Combination Sets								
Symbol							Type	Set	Ranking	Version
	/		/							

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	30	
/GLENFORD J MADAMBA/ Primary Examiner, Art Unit 2451	27 February 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office — Part of Paper No.: 20210227

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/018,401	Millington et al.
	Examiner	Art Unit
	GLENFORD J MADAMBA	2451

INTERNATIONAL CLASSIFICATION				
CLAIMED				
H04L	/	12	/	24

NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS
709	222

CROSS REFERENCES(S)						
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	30	
/GLENFORD J MADAMBA/ Primary Examiner, Art Unit 2451	27 February 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office — Part of Paper No.: 20210227

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/018,401	Millington et al.
	Examiner	Art Unit
	GLENFORD J MADAMBA	2451

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	10	10	19	19	28	28								
2	2	11	11	20	20	29	29								
3	3	12	12	21	21	30	30								
4	4	13	13	22	22										
5	5	14	14	23	23										
6	6	15	15	24	24										
7	7	16	16	25	25										
8	8	17	17	26	26										
9	9	18	18	27	27										

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	30	
/GLENFORD J MADAMBA/ Primary Examiner, Art Unit 2451	27 February 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office — Part of Paper No.: 20210227

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/018,401	Millington et al.
	Examiner	Art Unit
	GLENFORD J MADAMBA	2451

CPC - Searched*		
Symbol	Date	Examiner
H04L41/22; H04W12/003; G06F3/0481; G06F3/0482; G06F3/04842; G06F3/04847; H04L12/28; H04L12/2803; H04L12/2807; H04L12/2809; H04L41/0803; H04L41/0809; H04L63/10; H04L63/20; H04L65/60; H04L67/02; H04L67/10; H04L67/141; H04W12/04; H04W12/08	11/11/2020	GJM

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner
709	222	11/11/2020	GJM

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
Classification search delimited with claim / technical terminology	11/11/2020	GJM
EAST Inventor search	11/11/2020	GJM
The Office reached out to Applicant's representative to notify him that the originally-filed claims appear to be in condition for allowance, and also negotiate / request the filing of a terminal disclaimer to obviate any possible double-patenting rejection, which was agreed to. Case is allowed	11/19/2020	GJM
RCE with IDS listings received post-allowance for consideration by the Office. The Office has considered the references of the multiple IDS listings, and deems them unpersuasive to necessitate withdrawal of the allowance. Case is re-allowed.	02/27/2021	GJM

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/018,401	Millington et al.
	Examiner	Art Unit
	GLENFORD J MADAMBA	2451

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
709/H04L41	222/28	11/20/2020	GJM

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	6859538		2005-02-22	VOLTZ; Christopher	
	2	6873862		2005-03-29	RESHEFSKY; Marc Alan	
	3	6882335		2005-04-19	SAARINEN; Pertti	
	4	6898642		2005-05-24	CHAFLE; Girish Bhimrao et al.	
	5	6901439		2005-05-31	BONASIA; Gaetano et al.	
	6	6907458		2005-06-14	TOMASSETTI; Stephen Robert et al.	
	7	6910078		2005-06-21	RAMAN; Suchitra et al.	
	8	6912610		2005-06-28	SPENCER; Thomas Vincent	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	9	6915347		2005-07-05	HANKO; James G. et al.	
	10	6917592		2005-07-12	RAMANKUTTY; Rajesh et al.	
	11	6919771		2005-07-19	NAKAJIMA; Kouji	
	12	6920373		2005-07-19	XI; Ning et al.	
	13	6931557		2005-08-16	TOGAWA; Yoshifusa	
	14	6934766		2005-08-23	RUSSELL; Paul J.	
	15	6937988		2005-08-30	HEMKUMAR; Nariankadu Datatreya et al.	
	16	6950666		2005-09-27	ASAKAWA; Stuart D.	
	17	6965948		2005-11-15	ENEBORG; Mats et al.	
	18	6970481		2005-11-29	GRAY, III; Donald M. et al.	
	19	6970482		2005-11-29	KIM; Sung-Tae	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	20	6981259		2005-12-27	LUMAN; David J. et al.	
	21	6985694		2006-01-10	DE BONET; Jeremy S. et al.	
	22	6987767		2006-01-17	SAITO; Tatsunori	
	23	6993570		2006-01-31	IRANI; Boman	
	24	7006758		2006-02-28	YAMAMOTO; Kaoru et al.	
	25	7007106		2006-02-28	FLOOD; Mark et al.	
	26	7020791		2006-03-28	AWEYA; James et al.	
	27	7043477		2006-05-09	MERCER; IAN Cameron et al.	
	28	7043651		2006-05-09	AWEYA; James et al.	
	29	7046677		2006-05-16	MONTA; Peter et al.	
	30	7047308		2006-05-16	DESHPANDE; Sachin G.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	31	7054888		2006-05-30	LACHAPELLE; Kevin Leigh et al.	
	32	7058719		2006-06-06	MOTOYAMA; Tetsuro	
	33	7058889		2006-06-06	TROVATO; Karen I. et al.	
	34	7068596		2006-06-27	MOU; Hensen	
	35	7076204		2006-07-11	RICHENSTEIN; Lawrence et al.	
	36	7092528		2006-08-15	PATRICK; Kyle N. et al.	
	37	7092694		2006-08-15	GRIEP; Pieter Dingenis et al.	
	38	7096169		2006-08-22	CRUTCHFIELD; William G. et al.	
	39	7102513		2006-09-05	TASKIN; Metin Ismail et al.	
	40	7107442		2006-09-12	CHESHIRE; Stuart D.	
	41	7113999		2006-09-26	PESTONI; Florian et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	42	7115017		2006-10-03	LAURSEN; Thomas et al.	
	43	7120168		2006-10-10	ZIMMERMANN; Klaus	
	44	7123731		2006-10-17	COHEN; Yuval et al.	
	45	7130316		2006-10-31	KOVACEVIC; Branko D.	
	46	7130368		2006-10-31	AWEYA; James et al.	
	47	7130608		2006-10-31	HOLLSTROM; Magnus et al.	
	48	7130616		2006-10-31	JANIK; Craig M.	
	49	7136934		2006-11-14	CARTER; Harry Nick et al.	
	50	7139981		2006-11-21	MAYER; Theodore et al.	
	51	7143141		2006-11-28	MORGAN; Jeffrey A. et al.	
	52	7143939		2006-12-05	HENZERLING; David P.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	53	7146260		2006-12-05	PRESTON; DAN Alan et al.	
	54	7158488		2007-01-02	FUJIMORI; Junichi	
	55	7158783		2007-01-02	EGUCHI; Tadashi	
	56	7161939		2007-01-09	ISRAEL; David et al.	
	57	7162315		2007-01-09	GILBERT; Erik J.	
	58	7164694		2007-01-16	NODOUSHANI; Paiman et al.	
	59	7167765		2007-01-23	JANIK; Craig M.	
	60	7174157		2007-02-06	GASSHO; Kazuhito et al.	
	61	7184774		2007-02-27	ROBINSON; William Neil et al.	
	62	7185090		2007-02-27	KOWALSKI; John Michael et al.	
	63	7187947		2007-03-06	WHITE; Russell W. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	64	7188353		2007-03-06	CRINON; Regis J.	
	65	7197148		2007-03-27	NOURSE; James D. et al.	
	66	7206367		2007-04-17	MOORE; Daniel L. [Us] et al.	
	67	7206618		2007-04-17	LATTO; Antonio T. et al.	
	68	7206967		2007-04-17	MARTI; Philippe et al.	
	69	7209795		2007-04-24	SULLIVAN; Gary E. et al.	
	70	7215649		2007-05-08	YU; Robert et al.	
	71	7218708		2007-05-15	BEREZOWSKI; Andrew G. et al.	
	72	7218930		2007-05-15	KO; Ming-Chih et al.	
	73	7236739		2007-06-26	CHANG; Chin-Chi	
	74	7236773		2007-06-26	THOMAS; Graham	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	75	7246374		2007-07-17	SIMON; Daniel R. et al.	
	76	7251533		2007-07-31	YOON; Hong S. et al.	
	77	7257398		2007-08-14	UKITA; Yoshitaka et al.	
	78	7260616		2007-08-21	COOK; Fred S.	
	79	7263070		2007-08-28	DELKER; Jason et al.	
	80	7263110		2007-08-28	FUJISHIRO; Yoshiya	
	81	7269338		2007-09-11	JANEVSKI; Angel	
	82	7274761		2007-09-25	MULLER; Thomas et al.	
	83	7275156		2007-09-25	BALFANZ; Dirk et al.	
	84	7277547		2007-10-02	DELKER; Jason R. et al.	
	85	7286652		2007-10-23	AZRIEL; GAD et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	86	7289631		2007-10-30	ISHIDOSHIRO; Takashi	
	87	7293060		2007-11-06	KOMSI; Asko	
	88	7295548		2007-11-13	BLANK; William Thomas [Us] et al.	
	89	7305694		2007-12-04	COMMONS; Christopher et al.	
	90	7308188		2007-12-11	NAMATAME; Kazushi	
	91	7308489		2007-12-11	WEAST; John C.	
	92	7310334		2007-12-18	FITZGERALD; Cary et al.	
	93	7312785		2007-12-25	TSUK; Robert W. et al.	
	94	7313384		2007-12-25	MEENAN; Patrick et al.	
	95	7313593		2007-12-25	PULITO; Brian et al.	
	96	7319764		2008-01-15	REID; Glenn et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	97	7321784		2008-01-22	SERCEKI; Zeljko John et al.	
	98	7324857		2008-01-29	GODDARD; Mark D.	
	99	7330875		2008-02-12	PARASNIS; Shashank Mohan et al.	
	100	7333519		2008-02-19	SULLIVAN; Gary E. et al.	
	101	7356011		2008-04-08	WATERS; Christopher J. F. et al.	
	102	7359006		2008-04-15	XIANG; Shuhua et al.	
	103	7363363		2008-04-22	DAL CANTO; Mario et al.	
	104	7366206		2008-04-29	LOCKRIDGE; Terry Wayne et al.	
	105	7372846		2008-05-13	ZWACK; Eduard	
	106	7376834		2008-05-20	EDWARDS; W. Keith et al.	
	107	7383036		2008-06-03	KANG; Sung H. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	108	7391791		2008-06-24	BALASSANIAN; Edward et al.	
	109	7392102		2008-06-24	SULLIVAN; Gary E. et al.	
	110	7392387		2008-06-24	BALFANZ; Dirk et al.	
	111	7392481		2008-06-24	GEWICKEY; Greg et al.	
	112	7394480		2008-07-01	SONG; Young-Joong	
	113	7400644		2008-07-15	SAKAMOTO; Ichiro et al.	
	114	7400732		2008-07-15	STADDON; Jessica N. et al.	
	115	7412499		2008-08-12	CHANG; Chun-Shi et al.	
	116	7428310		2008-09-23	PARK; Jeong-Hyun	
	117	7430181		2008-09-30	HONG; Jay Wu	
	118	7433324		2008-10-07	SWITZER; David et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	119	7434166		2008-10-07	ACHARYA; Shrikant et al.	
	120	7454619		2008-11-18	SMETTERS; Diana K. et al.	
	121	7457948		2008-11-25	BILICKSA; Carl et al.	
	122	7469139		2008-12-23	VAN DE GROENENDAAL; Joannes G.	
	123	7472058		2008-12-30	TSENG; Wei-Hsin et al.	
	124	7474677		2009-01-06	TROTT; Christian A.	
	125	7483538		2009-01-27	McCARTY; William A. et al.	
	126	7483540		2009-01-27	RABINOWITZ; William M. et al.	
	127	7483958		2009-01-27	ELABBADY; Tarek Z. et al.	
	128	7492912		2009-02-17	CHUNG; YUN M. et al.	
	129	7505889		2009-03-17	SALMONSEN; Daniel R. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	130	7509181		2009-03-24	CHAMPION; Mark	
	131	7519667		2009-04-14	CAPPS; Stephen P.	
	132	7532862		2009-05-12	CHESHIRE; Stuart D.	
	133	7548744		2009-06-16	OESTERLING; Christopher L. et al.	
	134	7548851		2009-06-16	LAU; Jack et al.	
	135	7558224		2009-07-07	SURAZSKI; Luke K. et al.	
	136	7558635		2009-07-07	THIEL; Steffen et al.	
	137	7561697		2009-07-14	HARRIS; Scott C.	
	138	7571014		2009-08-04	LAMBOURNE; Robert A. et al.	
	139	7574274		2009-08-11	HOLMES; Stephen G.	
	140	7581096		2009-08-25	BALFANZ; Dirk et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	141	7599685		2009-10-06	GOLDBERG; David et al.	
	142	7606174		2009-10-20	OCHI; Mitsunori et al.	
	143	7607091		2009-10-20	SONG; Young-Wun et al.	
	144	7627825		2009-12-01	KAKUDA; Hiroshi	
	145	7630501		2009-12-08	BLANK; William TOM [Us] et al.	
	146	7631119		2009-12-08	MOORE; Jeffrey C. et al.	
	147	7634093		2009-12-15	McGRATH; David Stanley	
	148	7643894		2010-01-05	BRAITHWAITE; Michael et al.	
	149	7653344		2010-01-26	FELDMAN; Theodore Philip et al.	
	150	7657224		2010-02-02	GOLDBERG; David et al.	
	151	7657255		2010-02-02	ABEL; Miller T. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	152	7657644		2010-02-02	ZHENG; Qinghua	
	153	7657910		2010-02-02	MCAULAY; Roger et al.	
	154	7665115		2010-02-16	GALLO; Kevin T. et al.	
	155	7668990		2010-02-23	KRZYZANOWSKI; Paul et al.	
	156	7669113		2010-02-23	MOORE; Jeff et al.	
	157	7669219		2010-02-23	SCOTT; Samuel T.Iii et al.	
	158	7672470		2010-03-02	LEE; Jae-Hoon	
	159	7675943		2010-03-09	MOSIG; Rudiger et al.	
	160	7676044		2010-03-09	SASAKI; Toru [Jp] et al.	
	161	7676142		2010-03-09	HUNG; Andy Chao	
	162	7688306		2010-03-30	WEHRENBERG; Paul J. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	163	7689304		2010-03-30	SASAKI; Yoshio	
	164	7689305		2010-03-30	KREIFELDT; Richard A. et al.	
	165	7690017		2010-03-30	STECYK; Polly et al.	
	166	7702279		2010-04-20	KO; Steve et al.	
	167	7702403		2010-04-20	GLADWIN; Stephen Christopher et al.	
	168	7710941		2010-05-04	RIETSCHEL; Johannes et al.	
	169	7711774		2010-05-04	ROTHSCHILD; Leigh M.	
	170	7716375		2010-05-11	BLUM; Philipp et al.	
	171	7720096		2010-05-18	KLEMETS; Anders E.	
	172	7721032		2010-05-18	BUSHELL; John Samuel et al.	
	173	7742740		2010-06-22	GOLDBERG; David et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	174	7743009		2010-06-22	HANGARTNER; Rick et al.	
	175	7746906		2010-06-29	JINZAKI; Akira et al.	
	176	7752329		2010-07-06	MEENAN; Patrick et al.	
	177	7756743		2010-07-13	LAPCEVIC; Thomas G.	
	178	7757076		2010-07-13	STEWART; Paul J. et al.	
	179	7761176		2010-07-20	BEN-YAACOV; Yaacov et al.	
	180	7765315		2010-07-27	BATSON; James D. et al.	
	181	7792311		2010-09-07	HOLMGREN; Steve F. et al.	
	182	7793206		2010-09-07	LIM; SEH E. et al.	
	183	7827259		2010-11-02	HELLER; David et al.	
	184	7831054		2010-11-09	BALL; Steven J. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	185	7835689		2010-11-16	GOLDBERG; David et al.	
	186	7853341		2010-12-14	MCCARTY; William A. et al.	
	187	7865137		2011-01-04	GOLDBERG; David et al.	
	188	7882234		2011-02-01	WATANABE; Mitsuhiro et al.	
	189	7885622		2011-02-08	KRAMPF; Steven S. et al.	
	190	7899656		2011-03-01	CRUTCHFIELD, Jr.; William G.	
	191	7904720		2011-03-08	SMETTERS; Diana Kathryn et al.	
	192	7907736		2011-03-15	YUEN; Thomas C. K. et al.	
	193	7907819		2011-03-15	ANDO; Hideo et al.	
	194	7916861		2011-03-29	CONLEY; Kenneth W. et al.	
	195	7916877		2011-03-29	GOLDBERG; David et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	196	7917082		2011-03-29	GOLDBERG; David et al.	
	197	7933418		2011-04-26	MORISHIMA; Morito	
	198	7934239		2011-04-26	DAGMAN; Vadim	
	199	7937089		2011-05-03	SMETTERS; Diana K. et al.	
	200	7937752		2011-05-03	BALFANZ; Dirk et al.	
	201	7945143		2011-05-17	YAHATA; Hiroshi et al.	
	202	7945636		2011-05-17	NELSON; Hortense Kathleen et al.	
	203	7945708		2011-05-17	OHKITA; Hideki	
	204	7958441		2011-06-07	HELLER; David [Us] et al.	
	205	7966388		2011-06-21	PUGACZEWSKI; John T. et al.	
	206	7987294		2011-07-26	BRYCE; Stuart et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	207	7995732		2011-08-09	KOCH; Robert et al.	
	208	7996566		2011-08-09	SYLVAIN; Dany et al.	
	209	7996588		2011-08-09	SUBBIAH; Baranitharan et al.	
	210	8014423		2011-09-06	THALER; Thomas et al.	
	211	8015306		2011-09-06	BOWMAN; Timothy D.	
	212	8020023		2011-09-13	MILLINGTON; Nicholas A.J et al.	
	213	8023663		2011-09-20	GOLDBERG; David	
	214	8028038		2011-09-27	WEEL; Martin	
	215	8028323		2011-09-27	WEEL; Martin	
	216	8041062		2011-10-18	COHEN; Ephram et al.	
	217	8045721		2011-10-25	BURGAN; John M. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	218	8045952		2011-10-25	QURESHEY; Safi et al.	
	219	8050203		2011-11-01	JACOBSEN; Phillip et al.	
	220	8050652		2011-11-01	QURESHEY; Safi et al.	
	221	8055364		2011-11-08	CHAMPION; Mark	
	222	8064904		2011-11-22	JAIN; Nikhil et al.	
	223	8074253		2011-12-06	NATHAN; GUY	
	224	8086752		2011-12-27	MILLINGTON; Nicholas A.J et al.	
	225	8090317		2012-01-03	BURGE; Benjamin D. et al.	
	226	8103009		2012-01-24	MCCARTY; William A. et al.	
	227	8111132		2012-02-07	ALLEN; William A. et al.	
	228	8112032		2012-02-07	KO; Steve et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	229	8116476		2012-02-14	INOHARA; Yuichi	
	230	8126172		2012-02-28	HORBACH; Ulrich et al.	
	231	8131389		2012-03-06	HARDWICK; John C. et al.	
	232	8131390		2012-03-06	BRAITHWAITE; Michael et al.	
	233	8134650		2012-03-13	MAXSON; Brian D. et al.	
	234	8144883		2012-03-27	PDERSEN; JAN A. et al.	
	235	8148622		2012-04-03	ROTHKOPF; Fletcher R. et al.	
	236	8150079		2012-04-03	MAEDA; Kazuhiro et al.	
	237	8156337		2012-04-10	BALFANZ; Dirk et al.	
	238	8169938		2012-05-01	DUCHSCHER; ROB et al.	
	239	8170222		2012-05-01	DUNKO; Gregory A.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	240	8170260		2012-05-01	REINING; Friedrich et al.	
	241	8175297		2012-05-08	HO; Harvey et al.	
	242	8185674		2012-05-22	MOORE; Jeffrey C. et al.	
	243	8194874		2012-06-05	STAROBIN; Bradley M. et al.	
	244	8204890		2012-06-19	GOGAN; Brian [Us] et al.	
	245	8208653		2012-06-26	EO; Kil-Su et al.	
	246	8214447		2012-07-03	DESLIPPE; Mark H. et al.	
	247	8214740		2012-07-03	JOHNSON; Timothy	
	248	8214873		2012-07-03	WEEL; Martin	
	249	8218790		2012-07-10	BULL; William et al.	
	250	8230099		2012-07-24	WEEL; Martin	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	251	8233029		2012-07-31	YOSHIDA; Junji et al.	
	252	8233648		2012-07-31	SOREK; Noam et al.	
	253	8234395		2012-07-31	MILLINGTON; Nicholas A. J.	
	254	8239748		2012-08-07	MOORE; Jeff et al.	
	255	8250218		2012-08-21	WATANABE; Mitsuhiro et al.	
	256	8279709		2012-10-02	CHOISEL; Sylvain et al.	
	257	8281001		2012-10-02	BUSAM; Vincent R. et al.	
	258	8285404		2012-10-09	KEKKI; Samuli T.	
	259	8290603		2012-10-16	LAMBOURNE; Robert A.	
	260	8300845		2012-10-30	ZUREK; Robert et al.	
	261	8311226		2012-11-13	LORGEOUX; Mickael et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	262	8315555		2012-11-20	KO; Steve et al.	
	263	8316147		2012-11-20	BATSON; James D. et al.	
	264	8325931		2012-12-04	HOWARD; Damian et al.	
	265	8326951		2012-12-04	MILLINGTON; Nicholas A. J. et al.	
	266	8340330		2012-12-25	YOON; Eung-Sik et al.	
	267	8345709		2013-01-01	NITZPON; Hans-Juergen et al.	
	268	8364295		2013-01-29	BECKMANN; Paul E. et al.	
	269	8370678		2013-02-05	MILLINGTON; Nicholas A. J. et al.	
	270	8374595		2013-02-12	CHIEN; Chih-Ling et al.	
	271	8407623		2013-03-26	KERR; Duncan et al.	
	272	8411883		2013-04-02	MATSUMOTO; Keishi	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	273	8423659		2013-04-16	MILLINGTON; Nicholas A. J.	
	274	8423893		2013-04-16	RAMSAY; Max Gordon et al.	
	275	8432851		2013-04-30	XU; Guijin et al.	
	276	8433076		2013-04-30	ZUREK; Robert et al.	
	277	8442239		2013-05-14	BRUELLE-DREWS; Christian et al.	
	278	8457334		2013-06-04	YOON; Eung-Sik et al.	
	279	8463184		2013-06-11	DUA; Robin	
	280	8463875		2013-06-11	KATZ; Hagay et al.	
	281	8473844		2013-06-25	KREIFELDT; Richard A. et al.	
	282	8477958		2013-07-02	MOELLER; Klaus R. et al.	
	283	8483853		2013-07-09	LAMBOURNE; Robert A.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	284	8509211		2013-08-13	TROTTER; John et al.	
	285	8509463		2013-08-13	GOH; Aik Hee Daniel et al.	
	286	8515389		2013-08-20	SMETTERS; Diana K. et al.	
	287	8520870		2013-08-27	SATO; Katsuyuki et al.	
	288	8565455		2013-10-22	WORRELL; Devon et al.	
	289	8577048		2013-11-05	CHAIKIN; Peter et al.	
	290	8588949		2013-11-19	LAMBOURNE; Robert A. et al.	
	291	8600084		2013-12-03	GARRETT; James E.	
	292	8601394		2013-12-03	SHEEHAN; Conor et al.	
	293	8611559		2013-12-17	SANDERS; Christopher	
	294	8615091		2013-12-24	TERWAL; Remco	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	295	8639830		2014-01-28	BOWMAN; Timothy D.	
	296	8654995		2014-02-18	SILBER; Michael W. et al.	
	297	8672744		2014-03-18	GRONKOWSKI; Timothy T. et al.	
	298	8683009		2014-03-25	NG; Stanley et al.	
	299	8688431		2014-04-01	LYONS; Kenneth S. et al.	
	300	8731206		2014-05-20	PARK; Keun Young	

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	0237217	WO	A2	2002-05-10	SONY ELECTRONICS INC [US]		
	2	03093950	WO	A2	2003-11-13	GOLDBERG DAVID [US], et al.		
	3	03096741	WO	A2	2003-11-20	BRAITHWAITE MICHAEL [US], et al.		
	4	199525313	WO		1995-09-21	INTERNATIONAL BUSINESS MACHINE CORPORATION.		
	5	1999023560	WO		1999-05-14	COLLABORATION PROPERTIES, INC.		
	6	199961985	WO		1999-12-02	THE DOW CHEMICAL COMPANY.		
	7	200153994	WO		2001-07-26	FRISKIT, INC.		
	8	2003093950	WO	A2	2003-11-13	GOLDBERG, BENJAMIN, M. et al.		
	9	2005013047	WO	A2	2005-02-10	SONOS INC [US], et al.		
	10	2007023120	WO	A1	2007-03-01	SONY ERICSSON MOBILE COMM AB [SE], et al.		
	11	2007127485	WO		2007-11-08	MICROSOFT CORPORATION.		

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	2007131555	WO		2007-11-22	SONY ERICSOON MOBILE COMMUNICATIONS AB.		
	13	2007135581	WO	A2	2007-11-29	KONINKL PHILIPS ELECTRONICS NV [NL], et al.		
	14	2008046530	WO	A2	2008-04-24	FRAUNHOFER GES FORSCHUNG [DE], et al.		
	15	2008082350	WO	A1	2008-07-10	SCANIA CV ABP [SE], et al.		
	16	2008114389	WO	A1	2008-09-25	PIONEER CORPORATION.		
	17	2012050927	WO		2012-04-19	BEYOND OBLIVION INC.		
	18	2014004182	WO		2014-01-03	SONOS, INC.		
	19	2014149533	WO	A2	2014-09-25	BOSE CORPORATION.		
	20	9709756	WO	A2	1997-03-13	BUCALO BRIAN D [US], et al.		

If you wish to add additional Foreign Patent Document citation information please click the Add button [Add]

NON-PATENT LITERATURE DOCUMENTS [Remove]

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Apple. NewsRoom, Apple Ships New AirPort Express with AirTunes. 14 July 2004, 3 pages.	
	2	Apple. NewsRoom, Apple Unveils AirPort Express for Mac & PC Users. 7 June 2004, 3 pages.	
	3	Apple. NewsRoom, Developers Rapidly Adopt Apple's Rendezvous Networking Technology, 10 September 2002, 3 pages.	
	4	Apple WWDC 2003 Session 105 - Rendezvous - YouTube available via https://www.youtube.com/watch?v=Ge5bsDijGWM [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	5	Ashcraft et al. P4 Protocol Specification vo.2. April 6, 2002, 11 pages [online]. [retrieved on 2020-03-26]. Retrieved from the Internet URL: https://snarfed.org/p4protocol.	
	6	Audio Authority. Access EZ: Demonstration Network. Home Audio and Video System Installation Manual, 60 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	7	Audio Authority: How to Install and Use the Model 1154 Signal Sensing Auto Selector, 2002, 4 pages.	
	8	Audio Authority: Model 1154B High Definition AV Auto Selector, 2008, 8 pages.	
	9	AudioPoint from Home Director. Play Digital Music on Your Conventional Stereo System, 2002, 2 pages. .	
	10	AudioPoint, Welcome to the coolest way to listen to digital music over your conventional stereo equipment, Home Director HD00B02, 2002, 2 pages.	
	11	AudioSource: AMP 100 User Manual, 2003, 4 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	AudioTron Quick Start Guide, Version 1.0, March 2001, 24 pages.	
	13	AudioTron Reference Manual, Version 3.0, May 2002, 70 pages.	
	14	AudioTron Setup Guide, Version 3.0, May 2002, 38 pages.	
	15	Automatic Profile Hunting Functional Description, AVAGO0013, Agere Systems, February 2004, 2 pages.	
	16	"A/V Surround Receiver AVR-5800," Denon Electronics, 2000, 2 pages.	
	17	"A/V System Controleer, Owner's Manual," B&K Compontents, Ltd., 1998, 52 pages.	
	18	AVTransport:1 Service Template Version 1.01 For UPnP, Version 1.0 (June 25, 2002) (66 pages).	
	19	AXIS Communication: AXIS P8221 Network I/O Audio Module, 2009, 41 pages.	
	20	BALDWIN, Roberto. "How-To: Setup iTunes DJ on Your Max and iPhone", available at http://www.maclife.com/article/howtos/howto_setup_itunes_dj_your_mac_and_iphone, archived on 3/17/ 2009, 4 pages.	
	21	BALFANZ et al., "Network-in-a-Box: How to Set Up a Secure Wireless Network in Under a Minute," 13th USENIX Security Symposium - Technical Paper, 2002, 23 pages.	
	22	BALFANZ et al., "Talking To Strangers: Authentication in Ad-Hoc Wireless Networks," Xerox Palo Alto Research Center, 2002, 13 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	BARHAM et al., "Wide Area Audio Synchronisation," University of Cambridge Computer Laboratory, 1995, 5 pages.	
	24	Barix Download Exstreamer Software. Accessed via WayBack Machine, April 6, 2003. http://www.barix.com/estreamer/software.download.html. 2 pages. .	
	25	Barix. Exstreamer Datasheet. Accessed via WayBack Machine, April 2, 2003. http://www.barix.com/exstreamer/, 1 page.	
	26	Barret, Ryan. P4 Proposal :CS194 Project Proposal. Toward an Application-Independent Distributed Network Platform. April 9, 2002, 4 pages [online]. [retrieved on 2020-03-26]. Retrieved from the Internet URL: https://snarfed.org/p4proposal. .	
	27	Barrett, Ryan. (no title) Blog on P4Sync network and code, 1 page [online], [retrieved on 2020-03-26]. Retrieved from the Internet URL: https://snarfed.org.p4.	
	28	BAUDISCH et al., "Flat Volume Control: Improving Usability by Hiding the Volume Control Hierarchy in the User Interface," 2004, 8 pages.	
	29	Beatty et al. Web Services Dynamic Discovery WS-Discovery, February 2004, 35 pages.	
	30	BENSLIMANE Abderrahim, "A Multimedia Synchronization Protocol for Multicast Groups," Proceedings of the 26th Euromicro Conference, 2000, pp. 456-463, Vol. 1.	
	31	BIERSACK et al., "Intra- and Inter-Stream Synchronization for Stored Multimedia Streams," IEEE International Conference on Multimedia Computing and Systems, 1996, pp. 372-381.	
	32	BLAKOWSKI G. et al., "A Media Synchronization Survey: Reference Model, Specification, and Case Studies," January 1996, pp. 5-35, Vol. 14, No. 1.	
	33	Blau, John. News Analysis, Wi-Fi Hotspot Networks Sprout Like Mushrooms, September 2002, 3 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Bluetooth. "Specification of the Bluetooth System: The ad hoc SCATTERNET for affordable and highly functional wireless connectivity," Core, Version 1.0 A, 26 July 1999, 1068 pages.	
	35	Bluetooth. "Specification of the Bluetooth System: Wireless connections made easy," Core, Version 1.0 B, 1 December 1999, 1076 pages.	
	36	Bluetooth Specification. Advanced Audio Distribution Profile (A2DP) Specification, 2007, 73 pages.	
	37	Bogen Communications, Inc., ProMatrix Digitally Matrixed Amplifier Model PM3180, Copyright1996, 2 pages.	
	38	BoomBottle MM Blue Hatch 2 -Pack. Blue Hatch Waterproof Dual Pairing Wireless Speakers each with Built-in-MagicMount, 4 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	39	Bootcamp. Digital Music on Your Stereo System. 10 January 2003, 1 page.	
	40	Boraks, David. A Glimpse of the Digital Future Technology Execs Play Prognosticators at Law Vegas Show, NewsRoom. 7 January 2000, 3 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	41	Bose Lifestyle SA-2 and SA-3 Stereo Amplifier Owner's Guide, 2004, 32 pages. .	
	42	Bose. The Bose Lifestyle 50 System. Owner's Guide, October 17, 2001, 55 pages.	
	43	Bose. The Bose Lifestyle Powered Speaker System. Owner's Guide. 20 December 2001, 19 pages.	
	44	Bose. The Bose Lifestyle Powered Speaker System. Owner's Guide, December 20, 2001, 19 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	BRASSIL et al., "Enhancing Internet Streaming Media with Cueing Protocols," 2000, 9 pages.	
	46	BREEBAART et al., "Multi-Channel Goes Mobile: MPEG Surround Binaural Rendering," AES 29th International Conference, September 2-4, 2006, pp. 1-13.	
	47	BRETL W.E., et al., MPEG2 Tutorial [online], 2000 [retrieved on 2009-01-13] Retrieved from the Internet:(http://www.bretl.com/mpeghtml/MPEGindex.htm), pp. 1-23.	
	48	BridgeCo - Wireless Loudspeaker Product Information Version 1.4, 16 December 2003, 5 pages.	
	49	BridgeCo. Audio Adapter, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	50	BridgeCo. BridgeCo Launches UPnP-Compliant Wireless Audio Adapter: Moving More Digital Audio to More Devices in More Locations, Wirelessly. 16 September 2003, 1 page.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	8750282		2014-06-10	GELTER; Aaron et al.	
	2	8751026		2014-06-10	SATO; Teppei et al.	
	3	8762565		2014-06-24	TOGASHI; Ryuichiro et al.	
	4	8768252		2014-07-01	WATSON; Clarke S. et al.	
	5	8775546		2014-07-08	MILLINGTON; Nicholas A. J.	
	6	8797926		2014-08-05	KEARNEY, III; Philip F. et al.	
	7	8818538		2014-08-26	SAKATA; Junichiro	
	8	8819554		2014-08-26	BASSO; Andrea et al.	

EFS Web 2.1.18

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	9	8831761		2014-09-09	KEMP; Thomas et al.	
	10	8843586		2014-09-23	PANTOS; Roger et al.	
	11	8861739		2014-10-14	OJANPERA; Juha P.	
	12	8868698		2014-10-21	MILLINGTON; Nicholas A. J. et al.	
	13	8885851		2014-11-11	WESTENBROEK; Marcel	
	14	8904066		2014-12-02	MOORE; Jeffrey C. et al.	
	15	8917877		2014-12-23	HAAFF; Olle et al.	
	16	8930006		2015-01-06	HAATAINEN; Niko	
	17	8934647		2015-01-13	JOYCE; John et al.	
	18	8934655		2015-01-13	BREEN; John J. et al.	
	19	8942252		2015-01-27	BALASSANIAN; Edward et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	20	8942395		2015-01-27	LISSAMAN; Geoff et al.	
	21	8954177		2015-02-10	SANDERS; Christopher John	
	22	8965544		2015-02-24	RAMSAY; Max Gordon	
	23	8966394		2015-02-24	GATES; Patrick et al.	
	24	9014833		2015-04-21	GOH; Aik Hee Daniel et al.	
	25	9042556		2015-05-26	KALLAI; Christopher [Us] et al.	
	26	9078281		2015-07-07	MATSUDA; Makoto et al.	
	27	9130770		2015-09-08	MILLINGTON; Nicholas A.J et al.	
	28	9137602		2015-09-15	MAYMAN; Avrum G. et al.	
	29	9160965		2015-10-13	REDMANN; William Gibbens et al.	
	30	9195258		2015-11-24	MILLINGTON; Nicholas A. J.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	31	9456243		2016-09-27	HUGHES; Gary et al.	
	32	9507780		2016-11-29	ROTHKOPF; Fletcher R. [Us] et al.	
	33	9560448		2017-01-31	HARTUNG; Klaus	
	34	9998321		2018-06-12	CHESHIRE; Stuart D.	
	35	10,133,536		2018-11-20	MILLINGTON; Nicholas A. J.	
	36	10,157,033		2018-12-18	MILLINGTON; Nicholas A. J.	
	37	10,175,930		2019-01-08	MILLINGTON; Nicholas A. J.	

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20010001160		2001-05-10	SHOFF; Daniel J. et al.	
	2	20010009604		2001-07-26	ANDO; Hideo et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	3	20010022823		2001-09-20	RENAUD; Pierre	
	4	20010027498		2001-10-04	VAN DE MEULENHOF; Dennis et al.	
	5	20010032188		2001-10-18	MIYABE; Yoshiyuki et al.	
	6	20010042107		2001-11-15	PALM; Stephen R.	
	7	20010043456		2001-11-22	ATKINSON; LEE	
	8	20010046235		2001-11-29	TREVITT; Stephen et al.	
	9	20010047377		2001-11-29	SINCAGLIA; Nicholas William et al.	
	10	20010050991		2001-12-13	EVES; David A.	
	11	20010055950		2001-12-27	DAVIES; Robert J. et al.	
	12	20020002039		2002-01-03	QURESHEY; Safi et al.	
	13	20020002562		2002-01-03	MORAN; Thomas P. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	14	20020002565		2002-01-03	OHYAMA; Akira	
	15	20020003548		2002-01-10	KRUSCHE; Arnd et al.	
	16	20020015003		2002-02-07	KATO; Masami et al.	
	17	20020022453		2002-02-21	BALOG; Horia et al.	
	18	20020026442		2002-02-28	LIPSCOMB; Kenneth O. et al.	
	19	20020034374		2002-03-21	BARTON; James M.	
	20	20020035621		2002-03-21	ZINTEL; William Michael et al.	
	21	20020042844		2002-04-11	CHIAZZESE; Giovanni	
	22	20020049843		2002-04-25	BARONE; Samuel T. et al.	
	23	20020062406		2002-05-23	CHANG; William Ho et al.	
	24	20020065926		2002-05-30	HACKNEY; Michael L.J et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	25	20020067909		2002-06-06	IIVONEN; Jukka-Pekka	
	26	20020072816		2002-06-13	SHDEMA; Yoav [Il] et al.	
	27	20020072817		2002-06-13	CHAMPION; Mark	
	28	20020073228		2002-06-13	COGNET; Yves et al.	
	29	20020078293		2002-06-20	KOU; SHO et al.	
	30	20020080783		2002-06-27	FUJIMORI; Junichi [Jp] et al.	
	31	20020083172		2002-06-27	KNOWLES; Gregory T. et al.	
	32	20020083342		2002-06-27	WEBB; Brian T. et al.	
	33	20020090914		2002-07-11	KANG; Hyun-Sook et al.	
	34	20020093478		2002-07-18	YEH; Chun LIN	
	35	20020095460		2002-07-18	BENSON; Michael	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	36	20020098878		2002-07-25	MOONEY; Philip D. et al.	
	37	20020101357		2002-08-01	GHARAPETIAN; ARA H.	
	38	20020103635		2002-08-01	MESAROVIC; Vladimir Z. et al.	
	39	20020109710		2002-08-15	HOLTZ; Alex et al.	
	40	20020112084		2002-08-15	DEEN; Gary D. et al.	
	41	20020112244		2002-08-15	LIOU; Shih-Ping et al.	
	42	20020114354		2002-08-22	SINHA; Pranesh et al.	
	43	20020114359		2002-08-22	IBARAKI; Susumu et al.	
	44	20020124097		2002-09-05	ISELY; Larson J. et al.	
	45	20020124182		2002-09-05	BACSO; Stephen R. et al.	
	46	20020129128		2002-09-12	GOLD; Stephen et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	47	20020129156		2002-09-12	YOSHIKAWA; Masato	
	48	20020131398		2002-09-19	TAYLOR; James L.	
	49	20020131761		2002-09-19	KAWASAKI; Kojiro et al.	
	50	20020136335		2002-09-26	LIOU; Shih-Ping et al.	
	51	20020137505		2002-09-26	EICHE; Steven A. et al.	
	52	20020143998		2002-10-03	RAJAGOPAL; Priya et al.	
	53	20020146981		2002-10-10	SAINT-HILAIRE; Ylian et al.	
	54	20020150053		2002-10-17	GRAY; Donald M. et al.	
	55	20020159596		2002-10-31	DURAND; Julian et al.	
	56	20020161865		2002-10-31	NGUYEN; Brian G.	
	57	20020163361		2002-11-07	PARKIN; Michael W.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	58	20020165721		2002-11-07	CHANG; Kenneth H.P et al.	
	59	20020165921		2002-11-07	SAPIEYEVSKI; Jerzy	
	60	20020168938		2002-11-14	CHANG; Chin-Chi	
	61	20020173273		2002-11-21	SPURGAT; Jeffrey Jonathan et al.	
	62	20020174243		2002-11-21	SPURGAT; Jeffrey Jonathan et al.	
	63	20020177411		2002-11-28	YAJIMA; Kiyoshi et al.	
	64	20020181355		2002-12-05	SHIKUNAMI; Juichi et al.	
	65	20020184310		2002-12-05	TRAVERSAT; Bernard A. et al.	
	66	20020188762		2002-12-12	TOMASSETTI; Stephen Robert et al.	
	67	20020194260		2002-12-19	HEADLEY; Kent Lawrence et al.	
	68	20020194309		2002-12-19	CARTER; Harry Nick et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	69	20030002609		2003-01-02	FALLER; Christof et al.	
	70	20030002849		2003-01-02	LORD; William P.	
	71	20030008616		2003-01-09	ANDERSON; Lelan S.	
	72	20030014486		2003-01-16	MAY; Gregory J.	
	73	20030018797		2003-01-23	DUNNING; TED E. et al.	
	74	20030020763		2003-01-30	MAYER; Theodore et al.	
	75	20030023411		2003-01-30	WITMER; Don et al.	
	76	20030023741		2003-01-30	TOMASSETTI; Stephen Robert et al.	
	77	20030035072		2003-02-20	HAGG; Wilhelm	
	78	20030035444		2003-02-20	ZWACK; Eduard	
	79	20030041173		2003-02-27	HOYLE; Stephen L.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	80	20030041174		2003-02-27	WEN; Sayling et al.	
	81	20030043856		2003-03-06	LAKANIEMI; ARI et al.	
	82	20030043924		2003-03-06	HADDAD; Semir S. et al.	
	83	20030046703		2003-03-06	KNOWLES; Gregory T. et al.	
	84	20030050058		2003-03-13	WALSH; Rod et al.	
	85	20030055892		2003-03-20	HUITEMA; Christian et al.	
	86	20030056220		2003-03-20	THORNTON; James Douglass et al.	
	87	20030061428		2003-03-27	GARNEY; John I. et al.	
	88	20030063528		2003-04-03	OGIKUBO; Takahiko	
	89	20030063755		2003-04-03	NOURSE; James D. et al.	
	90	20030066094		2003-04-03	VAN DER SCHAAR; Auke Sjoerd et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	91	20030067437		2003-04-10	MCCLINTOCK; Dale Thomas et al.	
	92	20030073432		2003-04-17	MEADE; William K.	
	93	20030097478		2003-05-22	KING; James Reynell	
	94	20030099212		2003-05-29	ANJUM; Farooq et al.	
	95	20030099221		2003-05-29	RHEE; Sokwoo	
	96	20030100335		2003-05-29	GASSHO; Kazuhito et al.	
	97	20030101253		2003-05-29	SAITO; Takayuki et al.	
	98	20030103088		2003-06-05	DRESTI; Mauro et al.	
	99	20030103464		2003-06-05	WONG; Yoon Kean et al.	
	100	20030109270		2003-06-12	SHORTY; Peter	
	101	20030110329		2003-06-12	HIGAKI; Nobuo et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	102	20030123853		2003-07-03	IWAHARA; Yuji et al.	
	103	20030126211		2003-07-03	ANTTILA; Akseli et al.	
	104	20030135822		2003-07-17	EVANS; Glenn F.	
	105	20030157951		2003-08-21	HASTY; William V.	
	106	20030167335		2003-09-04	ALEXANDER; Bruce	
	107	20030172123		2003-09-11	POLAN; Jeffrey S. et al.	
	108	20030179780		2003-09-25	WALKER; Anthony et al.	
	109	20030182254		2003-09-25	PLASTINA; Daniel et al.	
	110	20030185400		2003-10-02	YOSHIZAWA; Kazuhiko et al.	
	111	20030187657		2003-10-02	ERHART; George W. et al.	
	112	20030195964		2003-10-16	MANE; Pravin D.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	113	20030198254		2003-10-23	SULLIVAN; Gary E. et al.	
	114	20030198255		2003-10-23	SULLIVAN; Gary E. [Us] et al.	
	115	20030198257		2003-10-23	SULLIVAN; Gary E. et al.	
	116	20030200001		2003-10-23	GODDARD; Mark D.	
	117	20030204273		2003-10-30	DINKER; Darpan et al.	
	118	20030204509		2003-10-30	DINKER; Darpan et al.	
	119	20030210796		2003-11-13	MCCARTY; William A. et al.	
	120	20030212802		2003-11-13	RECTOR; Dusty D. et al.	
	121	20030219007		2003-11-27	BARRACK; Craig et al.	
	122	20030220705		2003-11-27	IBEY; Jarry A.	
	123	20030225834		2003-12-04	LEE; Oliver et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	124	20030227478		2003-12-11	CHATFIELD; Keith M.	
	125	20030229900		2003-12-11	REISMAN; Richard	
	126	20030231208		2003-12-18	HANON; Kris et al.	
	127	20030231871		2003-12-18	USHIMARU; Chikara	
	128	20030235304		2003-12-25	EVANS; Glenn F. et al.	
	129	20040001106		2004-01-01	DEUTSCHER; John et al.	
	130	20040001484		2004-01-01	OZGUNER; Tolga	
	131	20040001591		2004-01-01	MANI; Murali et al.	
	132	20040002938		2004-01-01	DEGUCHI; Yuichiro	
	133	20040008852		2004-01-15	ALSO; Masaru et al.	
	134	20040010727		2004-01-15	FUJINAMI; Yasushi	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	135	20040012620		2004-01-22	BUHLER; Rene et al.	
	136	20040014426		2004-01-22	MOORE; Richard A.	
	137	20040015252		2004-01-22	AISO; Masaru et al.	
	138	20040019497		2004-01-29	VOLK; Andrew R. et al.	
	139	20040019807		2004-01-29	FREUND; Gregor P. et al.	
	140	20040019911		2004-01-29	GATES; Matthijs A. et al.	
	141	20040023697		2004-02-05	KOMURA; Tatsumi	
	142	20040024478		2004-02-05	HANS; Mathieu Claude et al.	
	143	20040024925		2004-02-05	CYPHER; Robert E. et al.	
	144	20040027166		2004-02-12	MANGUM; Wayne G. et al.	
	145	20040032348		2004-02-19	LAI; Angela C. W. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	146	20040032421		2004-02-19	WILLIAMSON; Charles G. et al.	
	147	20040037433		2004-02-26	CHEN; Heng-Chien	
	148	20040041836		2004-03-04	ZANER; Melora et al.	
	149	20040042629		2004-03-04	MELLONE; Charles M. et al.	
	150	20040044742		2004-03-04	EVRON; Roni et al.	
	151	20040048569		2004-03-11	KAWAMURA; Harumi	
	152	20040059842		2004-03-25	HANSON; Mark L. et al.	
	153	20040059965		2004-03-25	MARSHALL; Kenneth R. et al.	
	154	20040066736		2004-04-08	KROEGER; Brian William	
	155	20040075767		2004-04-22	NEUMAN; Darren et al.	
	156	20040078383		2004-04-22	MERCER; IAN Cameron et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	157	20040080671		2004-04-29	SIEMENS; Duane et al.	
	158	20040093096		2004-05-13	HUANG; Steve Lan-Ping et al.	
	159	20040098754		2004-05-20	VELLA; Zane et al.	
	160	20040111473		2004-06-10	LYSENKO; Anton et al.	
	161	20040117462		2004-06-17	BODIN; William Kress et al.	
	162	20040117491		2004-06-17	KARAOGUZ; Jeyhan et al.	
	163	20040117840		2004-06-17	BOUDREAU; Paul A. et al.	
	164	20040117858		2004-06-17	BOUDREAU; Paul A. et al.	
	165	20040128701		2004-07-01	KANEKO; Toshimitsu et al.	
	166	20040131192		2004-07-08	METCALF; Randall B.	
	167	20040133689		2004-07-08	VASISHT; Samrat	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	168	20040143368		2004-07-22	MAY; Robert E. et al.	
	169	20040143852		2004-07-22	MEYERS; Philip G.	
	170	20040148237		2004-07-29	BITTMANN; RAN et al.	
	171	20040168081		2004-08-26	LADAS; Corey M. et al.	
	172	20040170383		2004-09-02	MAZUR; Leszek	
	173	20040171346		2004-09-02	LIN; John	
	174	20040176025		2004-09-09	HOLM; Jukka et al.	
	175	20040177167		2004-09-09	IWAMURA; Ryuichi et al.	
	176	20040179554		2004-09-16	TSAO; Hsi-Kang	
	177	20040183827		2004-09-23	PUTTERMAN; Daniel et al.	
	178	20040185773		2004-09-23	GERBER; Louis et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	179	20040195313		2004-10-07	LEE; Hyeok-Soo	
	180	20040203376		2004-10-14	PHILLIPPS; John Quentin	
	181	20040203378		2004-10-14	POWERS; Simon	
	182	20040203590		2004-10-14	SHTEYN; Eugene	
	183	20040203936		2004-10-14	OGINO; Minoru et al.	
	184	20040208158		2004-10-21	FELLMAN; Ronald D. et al.	
	185	20040213230		2004-10-28	DOUSKALIS; William et al.	
	186	20040214524		2004-10-28	NODA; Takuro et al.	
	187	20040223622		2004-11-11	LINDEMANN; Eric LEE [Us] et al.	
	188	20040224638		2004-11-11	FADELL; Anthony M. et al.	
	189	20040228367		2004-11-18	MOSIG; Rudiger et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	190	20040248601		2004-12-09	CHANG; Chin-Chi	
	191	20040249490		2004-12-09	SAKAI; Kenji	
	192	20040249965		2004-12-09	HUGGINS; GUY Dwayne et al.	
	193	20040249982		2004-12-09	ARNOLD; Johann et al.	
	194	20040252400		2004-12-16	BLANK; William Thomas et al.	
	195	20040253969		2004-12-16	NGUYEN; Vu X. et al.	
	196	20050010691		2005-01-13	OYADOMARI; Randy et al.	
	197	20050011388		2005-01-20	KOUZNETSOV; Alex A.	
	198	20050013394		2005-01-20	RAUSCH; Mathias et al.	
	199	20050015551		2005-01-20	EAMES; Russell Mark et al.	
	200	20050021590		2005-01-27	DEBIQUE; Kirt A. [Us] et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	201	20050027821		2005-02-03	ALEXANDER; Justin et al.	
	202	20050047605		2005-03-03	LEE; Noel et al.	
	203	20050058149		2005-03-17	HOWE; Wayne Richard	
	204	20050060435		2005-03-17	XUE; XIN et al.	
	205	20050062637		2005-03-24	EL ZABADANI; Hicham Mahmoud et al.	
	206	20050081213		2005-04-14	SUZUOKI; Masakazu et al.	
	207	20050100166		2005-05-12	SMETTERS; Diana K. et al.	
	208	20050105052		2005-05-19	MCCORMICK; TOM et al.	
	209	20050114538		2005-05-26	ROSE; Steven W.	
	210	20050120128		2005-06-02	WILLES; W. P. et al.	
	211	20050125222		2005-06-09	BROWN; Michael Wayne et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	212	20050125357		2005-06-09	SAADAT; Abbas S. et al.	
	213	20050129240		2005-06-16	BALFANZ; Dirk et al.	
	214	20050131558		2005-06-16	BRAITHWAITE; Michael et al.	
	215	20050149204		2005-07-07	MANCHESTER; Scott et al.	
	216	20050154766		2005-07-14	HUANG; Wei-Hung et al.	
	217	20050159833		2005-07-21	GIAIMO; Edward C. et al.	
	218	20050160270		2005-07-21	GOLDBERG; David et al.	
	219	20050166135		2005-07-28	BURKE; David G. et al.	
	220	20050168630		2005-08-04	YAMADA; Norihiko et al.	
	221	20050170781		2005-08-04	JACOBSEN; Eric A. et al.	
	222	20050177643		2005-08-11	XU; Shugong	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	223	20050181348		2005-08-18	CAREY; Tadhg M. et al.	
	224	20050195205		2005-09-08	ABRAMS; Thomas A.Jr	
	225	20050195823		2005-09-08	CHEN; Jian-Rong et al.	
	226	20050197725		2005-09-08	ALEXANDER; JIM et al.	
	227	20050198221		2005-09-08	MANCHESTER; Scott et al.	
	228	20050198574		2005-09-08	LAMKIN; Allan B. et al.	
	229	20050201549		2005-09-15	DEDIEU; Stephane et al.	
	230	20050215265		2005-09-29	SHARMA; Sanjeev K.	
	231	20050216556		2005-09-29	MANION; Todd R. et al.	
	232	20050239445		2005-10-27	KARAOGUZ; Jeyhan et al.	
	233	20050246421		2005-11-03	MOORE; Kevin R. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	234	20050262217		2005-11-24	NONAKA; Masao et al.	
	235	20050281255		2005-12-22	DAVIES; Trevor et al.	
	236	20050283820		2005-12-22	RICHARDS; Martin J. et al.	
	237	20050288805		2005-12-29	MOORE; Jeffrey C. et al.	
	238	20050289224		2005-12-29	DESLIPPE; Mark H. et al.	
	239	20060041639		2006-02-23	LAMKIN; Allan B. [Us] et al.	
	240	20060072489		2006-04-06	TOYOSHIMA; Akihiko	
	241	20060095516		2006-05-04	WIJERATNE; Viranga L.	
	242	20060098936		2006-05-11	IKEDA; Wataru et al.	
	243	20060119497		2006-06-08	MILLER; Kevin L. et al.	
	244	20060142034		2006-06-29	WENTINK; Menzo et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	245	20060143236		2006-06-29	WU; Michael	
	246	20060155721		2006-07-13	GRUNWALD; David et al.	
	247	20060161635		2006-07-20	LAMKIN; Allan B. et al.	
	248	20060161742		2006-07-20	SUGIMOTO; Kayo et al.	
	249	20060173844		2006-08-03	ZHANG; Junbiao et al.	
	250	20060173976		2006-08-03	VINCENT; Jonathan M. et al.	
	251	20060193454		2006-08-31	ABOU-CHAKRA; Rabih et al.	
	252	20060222186		2006-10-05	PAIGE; Robert F. et al.	
	253	20060227985		2006-10-12	KAWANAMI; Kenichiro	
	254	20060259649		2006-11-16	HSIEH; Kuan-Hong et al.	
	255	20060265571		2006-11-23	BOSCH; Thomas et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	256	20060270395		2006-11-30	DHAWAN; Anil K. [Us] et al.	
	257	20060281409		2006-12-14	LEVIEN; Royce A. et al.	
	258	20060287746		2006-12-21	BRAITHWAITE; Michael et al.	
	259	20070003067		2007-01-04	GIERL; Stefan et al.	
	260	20070022156		2007-01-25	GRUBBS; Gregory J.	
	261	20070022207		2007-01-25	MILLINGTON; Nicholas A. et al.	
	262	20070038999		2007-02-15	MILLINGTON; Nicholas A. J.	
	263	20070043847		2007-02-22	CARTER; Harry N. et al.	

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2]	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

EFS Web 2.1.18

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

NON-PATENT LITERATURE DOCUMENTS			Remove
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
	1	BridgeCo. Company Overview. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	2	BridgeCo. Networked Entertainment, Product Information. 7 October 2003, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	3	BridgeCo. Networked Loudspeaker Product Information, 4 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	4	BridgeCo. News and Events, BridgeCo Launches UPnP-Compliant Wireless Audio Adapter 16 September 2003, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	5	BridgeCo. Professional Loudspeaker - Product Information, 3 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	6	BridgeCo. User Manual, Wireless Audio Adapter. 22 September 2003, 34 pages.	
	7	BridgeCo. Vision. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	8	BridgeCo. Vision, 5 Factors, 5 Missing Functionalities. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	9	BridgeCo. Vision, 5 Key Functions. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	10	BridgeCo. Vision, BridgeCo Solution. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	11	BridgeCo. Vision, Consumer Benefits. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	12	BridgeCo. Vision, Consumer Demand. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	13	BridgeCo. Vision, ENA Applications. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	14	BridgeCo. Vision, ENA Deployment. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	15	BridgeCo. Vision, ENA Functionality. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	16	BridgeCo. Vision, ENA Market. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	17	BridgeCo. Vision, Entertainment Continuum. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	18	BridgeCo. Vision, Entertainment Network Adapter. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	19	BridgeCo. Vision, New Entertainment. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020] .	
	20	BridgeCo. Vision, Technical Problems. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020] .	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	21	BridgeCo. Wireless Audio Adapter, Product Information. 3 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020] .	
	22	BridgeCo. Wireless Audio Adapter Reference Design, Product Information. Version 1.3. 31 October 2003, 2 pages.	
	23	BridgeCo. Wireless Audio Adapter Reference Design. Product Information. Version 1.3, 31 October 2003, 2 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	24	BridgeCo. Wireless Loudspeaker, Product Information. 4 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020] .	
	25	BridgeCo. Wireless Loudspeaker, Product Information. Version 1.4. 16 December 2003, 5 pages.	
	26	Buffalo. Link Theater LT-H90 Media Player v1.0, 2003- 2008, 38 pages.	
	27	Buffalo. LinkTheater PC-P3LWG/DVD, 59 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	28	Business Wire. BridgeCo Adds Wireless Connectivity and Enhances Surround Sound Processing for New Generation Speakers. 5 May 2003, 2 pages.	
	29	c200 Wireless Network MP3 Player, 4 June 2003, 1 page.	
	30	Cai et al. Simple Service Discovery Protocol/1.0, Internet Engineering Task Force, 8 April 1999, 8 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	31	CANADIAN INTELLECTUAL PROPERTY OFFICE, Canadian Office Action mailed on 04 April 2016, issued in connection with Canadian Patent Application No. 2,842,342, 5 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	32	CANADIAN INTELLECTUAL PROPERTY OFFICE, Canadian Office Action mailed on 14 September 2015, issued in connection with Canadian Patent Application No. 2,842,342, 2 pages.	
	33	Carnoy, David. Parrot DS1120 Wireless Hi-Fi Speaker System Review, 15 July 2008, 4 pages.	
	34	Case et al. RFC 1157 - A Simple Network Management Protocol, May 1990, 36 pages.	
	35	cd30. Audio Control Document V4.2 Released! 18 September 2003, 7 pages.	
	36	cd30. Audio Control Protocol Availability, 28 February 2004, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	37	cd30 Audio Control Protocol. Version 4.2. 18 September 2003, 24 pages.	
	38	cd30. Audio Stream Protocol Released. 9 March 2004, 2 pages.	
	39	Cd30. Audio Stream Protocol: Version 18. 9 March 2004, 13 pages.	
	40	cd30 Backgrounder, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	41	cd30. c100 Network MP3 Player. Quick Product Summary .1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	42	cd30. c200 Wireless Network MP3 Player. Quick Product Summary. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	43	cd30. c300 Extended-Range Wireless Network MP3 Player. Quick Product Summary, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	44	cd30 C300 Reviews. Digital Audio Receivers (DARs) Reviews by CNET, 30 March 2003, 3 pages.	
	45	cd30. Careers, 21 November 2003, 1 page.	
	46	cd30. Contact, 12 December 2003, 1 page.	
	47	cd30. Corporate Fact Sheet, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	48	cd30 FAQs. What problem or need does cd30 address with their products? 2 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	49	cd30 Frequently-Asked Questions About cd30 Network MP3 Players, 12 December 2003, 6 pages.	
	50	cd30 Introduces Family of MP3 Players at this year's Consumer Electronics Show. 9-12 January, 2003 Las Vegas Convention Center, 12 February 2004, 2 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Non-Final Office Action mailed on 15 August 2017, issued in connection with U.S. Patent Application No. 14/184522, filed on 19 February 2014, 11 pages.	
	2	Non-Final Office Action mailed on 15 July 2016, issued in connection with U.S. Patent Application No. 14/803953, filed on 20 July 2015, 20 pages.	
	3	Non-Final Office Action mailed on 16 November 2016, issued in connection with U.S. Patent Application No. 15/228639, filed on 04 August 2016, 15 pages.	
	4	Non-Final Office Action mailed on 17 August 2017, issued in connection with U.S. Patent Application No. 14/184528, filed on 19 February 2014, 12 pages.	
	5	Non-Final Office Action mailed on 17 November 2014, issued in connection with U.S. Patent Application No. 13/864247, filed on 17 April 2013, 11 pages.	
	6	Non-Final Office Action mailed on 18 February 2009, issued in connection with U.S. Patent Application No. 10/861653, filed on 05 June 2004, 18 pages.	
	7	Non-Final Office Action mailed on 18 January 2013, issued in connection with U.S. Patent Application No. 13/618829, filed on 14 September 2012, 58 pages.	
	8	Non-Final Office Action mailed on 18 November 2014, issued in connection with U.S. Patent Application No. 13/435739, filed on 30 March 2012, 10 pages.	
	9	Non-Final Office Action mailed on 19 June 2015, issued in connection with U.S. Patent Application No. 13/533105 filed on 26 June 2012, 38 pages.	
	10	Non-Final Office Action mailed on 19 November 2014, issued in connection with U.S. Patent Application No. 13/848921, filed on 22 March 2013, 9 pages.	
	11	Non-Final Office Action mailed on 20 April 2017, issued in connection with U.S. Patent Application No. 90/013882, filed on 27 December 2016, 197 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Non-Final Office Action mailed on 20 August 2009, issued in connection with U.S. Patent Application No. 11/906702, filed on 02 October 2007, 27 pages.	
	13	Non-Final Office Action mailed on 21 February 2020, issued in connection with U.S. Patent Application No. 16/746294, filed on 17 January 2020, 22 pages.	
	14	Non-Final Office Action mailed on 21 September 2016, issued in connection with U.S. Patent Application No. 15/080591, filed on 25 March 2016, 9 pages.	
	15	Non-Final Office Action mailed on 21 September 2016, issued in connection with U.S. Patent Application No. 15/080716, filed on 25 March 2016, 8 pages.	
	16	Non-Final Office Action mailed on 21 September 2016, issued in connection with U.S. Patent Application No. 15/088283, filed on 01 April 2016, 9 pages.	
	17	Non-Final Office Action mailed on 21 September 2016, issued in connection with U.S. Patent Application No. 15/088532, filed on 01 April 2016, 9 pages.	
	18	Non-Final Office Action mailed on 22 September 2016, issued in connection with U.S. Patent Application No. 15/088906, filed on 01 April 2016, 9 pages.	
	19	Non-Final Office Action mailed on 22 September 2016, issued in connection with U.S. Patent Application No. 15/155149, filed on 16 May 2016, 7 pages.	
	20	Non-Final Office Action mailed on 23 July 2018, issued in connection with U.S. Patent Application No. 15/091113, filed on 5 April 2016, 19 pages.	
	21	Non-Final Office Action mailed on 23 June 2015, issued in connection with U.S. Patent Application No. 13/705176, filed on 05 December 2012, 30 pages.	
	22	Non-Final Office Action mailed on 23 October 2014, issued in connection with U.S. Patent Application No. 13/848904, filed on 22 March 2013, 11 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Non-Final Office Action mailed on 23 October 2014, issued in connection with U.S. Patent Application No. 13/864251, filed on 17 April 2013, 11 pages.	
	24	Non-Final Office Action mailed on 23 October 2014, issued in connection with U.S. Patent Application No. 13/888203, filed on 06 May 2013, 9 pages.	
	25	Non-Final Office Action mailed on 23 October 2014, issued in connection with U.S. Patent Application No. 13/932864, filed on 01 July 2013, 20 pages.	
	26	Non-final Office Action mailed on 24 October 2014, issued in connection with U.S. Patent Application No. 13/435776, filed 30 March 2012, 14 pages.	
	27	Non-Final Office Action mailed on 26 February 2015, issued in connection with U.S. Patent Application No. 14/186850, filed on 21 February 2014, 25 pages.	
	28	Non-Final Office Action mailed on 26 July 2017, issued in connection with U.S. Patent Application No. 13/705176, filed on 05 December 2012, 14 pages.	
	29	Non-Final Office Action mailed on 26 March 2015, issued in connection with U.S. Patent Application No. 14/184528, filed on 19 February 2014, 18 pages.	
	30	Non-Final Office Action mailed on 27 June 2008, issued in connection with U.S. Patent Application No. 10/861653, filed on 05 June 2004, 19 pages.	
	31	Non-Final Office Action mailed on 27 March 2015, issued in connection with U.S. Patent Application No. 13/705178, filed on 05 December 2012, 14 pages.	
	32	Non-Final Office Action mailed on 28 December 2015, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 29 pages.	
	33	Non-Final Office Action mailed on 29 November 2016, issued in connection with U.S. Patent Application No. 13/894179, filed on 14 May 2013, 14 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Non-Final Office Action mailed on 30 April 2012, issued in connection with U.S. Patent Application No. 13/204511, filed on 05 August 2011, 16 pages.
	35	Non-Final Office Action mailed on 30 January 2015, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 29 pages.
	36	Non-Final Office Action mailed on 30 January 2015, issued in connection with U.S. Patent Application No. 14/504812, filed on 02 October 2014, 13 pages.
	37	Non-Final Office Action mailed on 30 May 2019, issued in connection with U.S. Patent Application No. 16/298515, filed on 11 March 2019, 22 pages.
	38	Non-Final Office Action mailed on 30 May 2019, issued in connection with U.S. Patent Application No. 16/298542, filed on 11 March 2019, 22 pages.
	39	Non-Final Office Action mailed on 30 November 2016, issued in connection with U.S. Patent Application No. 15/243186, filed on 22 August 2016, 12 pages.
	40	Non-Final Office Action mailed on 30 September 2016, issued in connection with U.S. Patent Application No. 13/864249, filed on 17 April 2013, 12 pages.
	41	Non-Final Office Action mailed on 31 December 2013, issued in connection with U.S. Patent Application No. 13/618829, filed 14 September 2012, 26 pages.
	42	North American MPEG-2 Information, "The MPEG-2 Transport Stream," Retrieved from the Internet: URL: http://www.coolstf.com/mpeg/#ts, 2006, pp. 1-5.
	43	Notice of Allowance mailed 31 January 2013, issued in connection with U.S. Patent Application No. 13/298090, filed on 16 November 2011, 19 pages.
	44	Notice of Allowance mailed on 01 December 2016, issued in connection with U.S. Patent Application No. 15/088283, filed on 01 April 2016, 9 pages.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Notice of Allowance mailed on 01 June 2017, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 12 pages.	
	46	Notice of Allowance mailed on 02 December 2016, issued in connection with U.S. Patent Application No. 15/088532, filed on 01 April 2016, 9 pages.	
	47	Notice of Allowance mailed on 02 December 2016, issued in connection with U.S. Patent Application No. 15/088678, filed on 01 April 2016, 9 pages.	
	48	Notice of Allowance mailed on 02 December 2016, issued in connection with U.S. Patent Application No. 15/089758, filed on 04 April 2016, 9 pages.	
	49	Notice of Allowance mailed on 02 December 2016, issued in connection with U.S. Patent Application No. 15/155149, filed on 16 May 2016, 9 pages.	
	50	Notice of Allowance mailed on 02 July 2015, issued in connection with U.S. Patent Application No. 13/848904, filed on 22 March 2013, 17 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1,985	709/220.ccls.	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/09 12:13
S2	2,193	ad$1hoc adj network$1	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/09 12:13
S3	438,682	(wired, wireless)	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/09 12:14
S4	1,521	S2 and S3	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/09 12:14
S5	1,082	S2 same S3	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/09 12:14
S6	8	S5 and SSID and WEP	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/09 12:14
S7	29	S5 and WEP	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/09 12:17
S8	6	S7 and zone	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/09 12:18
S9	262	zone adj players	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/09 12:18
S10	4,904	ad$1hoc adj network$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2009/01/09 12:18

			DERWENT; IBM_TDB			
S11	728,858	(wired, wireless)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/09 12:19
S12	4,102	S10 and S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/09 12:19
S13	2,968	S10 same S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/09 12:19
S14	8	S13 and SSID and WEP	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/09 12:19
S15	8	S14 and WEP	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/09 12:19
S16	29	S13 and WEP	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/09 12:20
S17	0	S9 and S16	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/09 12:20
S18	26	S9 and network	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/09 12:20
S20	8	(US-7469139-$ or US-7434166-$ or US-7433324-$ or US-7263070-$ or US-7218930-$).did. or (US-20070022207-$ or US-20070022156-$ or WO-2005013047-$).did.	USPAT; DERWENT	OR	ON	2009/01/13 13:01

S21	4,909	ad$1hoc adj network$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 13:26
S22	593	S21 and broadcast$3 near3 (period$6, interval$1, time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 13:27
S23	122	S21 and broadcast$3 adj (period$6, interval$1, time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 13:27
S24	0	S21 and broadcast$3 adj (period$6, interval$1, time) with expir$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 13:27
S25	2	S21 and broadcast$3 adj (period$6, interval$1, time) with (end$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 13:28
S26	7	S23 and (wep, ssid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 13:30
S27	0	zone adj player$1 same configur$5 with mode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:04

S28	18	zone adj player$1 same configur$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:04
S29	29	prob$3 near3 message and SSID and WEP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:10
S30	4	S29 and flag same broadcast	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:10
S31	0	broadcast adj storm same flag same probe	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:12
S32	2	broadcast adj storm and flag same probe	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:13
S33	0	configuration adj mode and zone adj player	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:14
S34	2,308	configuration adj mode and controller	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:14

S35	528	configuration adj mode same controller	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:14
S36	0	S35 and "zone player"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:15
S37	0	S35 and "synchrony group"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:16
S38	266	S35 and group	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:16
S39	14	(US-20060142034-$ or US-20050170781-$ or US-20070038999-$ or US-20070022156-$ or US-20040103282-$ or US-20060280131-$).did. or (US-7469139-$ or US-7434166-$ or US-7433324-$ or US-7263070-$ or US-7218930-$).did. or (US-20070022207-$ or US-20070022156-$ or WO-2005013047-$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2009/01/14 11:26
S40	2	zone adj player and (self, auto) near2 configur$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/14 11:28
S41	1,909	zone and (self, auto) near2 configur$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2009/01/14 11:30

			DERWENT; IBM_TDB			
S42	153	zone same (self, auto) near2 configur$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/14 11:30
S43	51	zone with (self, auto) near2 configur$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/14 11:30
S44	447	zone adj players	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/06 15:34
S45	5,809	ad$1hoc adj network$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/06 15:34
S46	1	S44 and S45	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/06 15:34
S47	101	S44 and network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/06 15:35
S48	79	S47 and (synchrony, group)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2009/11/06 15:36

			DERWENT; IBM_TDB			
S49	1,404	zone near3 player$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/06 15:46
S50	2	S45 and S49	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/06 15:46
S51	12	S45 same zone with (player$1, device$1, terminal$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/06 15:47
S52	2,085	controller and ad$1hoc adj network$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/06 15:52
S53	1,707	S52 and (configur$5, synchroni$7)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/06 15:53
S54	57	S53 and (synchroniz$7) near5 operation$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/06 15:54
S55	14	S54 and (broadcast$3) with (packet, data)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2009/11/06 15:55

			DERWENT; IBM_TDB			
S56	2	"20080267218"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/06 16:19
S57	22	(US-20060142034-$ or US-20050170781-$ or US-20070038999-$ or US-20070022156-$ or US-20040103282-$ or US-20060280131-$ or US-20050283779-$ or US-20070022207-$ or US-20060205510-$ or US-20060075439-$ or US-20050058149-$ or US-20040022221-$).did. or (US-7469139-$ or US-7434166-$ or US-7433324-$ or US-7263070-$ or US-7218930-$ or US-7571014-$).did. or (US-20070022207-$ or US-20070022156-$ or WO-2005013047-$ or US-20070214229-$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2009/11/25 15:16
S58	2	"6349352".pn.	US-PGPUB; USPAT; DERWENT	OR	ON	2009/11/25 15:17
S59	23	(US-20060142034-$ or US-20050170781-$ or US-20070038999-$ or US-20070022156-$ or US-20040103282-$ or US-20060280131-$ or US-20050283779-$ or US-20070022207-$ or US-20060205510-$ or US-20060075439-$ or US-20050058149-$ or US-20040022221-$).did. or (US-7469139-$ or US-7434166-$ or US-7433324-$ or US-7263070-$ or US-7218930-$ or US-7571014-$ or US-6349352-$).did. or (US-20070022207-$ or US-20070022156-$ or WO-2005013047-$ or US-20070214229-$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2009/11/25 15:19
S60	15	S59 and synchron$7	US-PGPUB; USPAT; DERWENT	OR	ON	2009/11/25 15:20
S61	2	"20090259762"	US-PGPUB; USPAT; DERWENT	OR	ON	2009/11/25 15:40
S62	51,442	(zone, media) near3 player$1	US-PGPUB; USPAT;	OR	ON	2011/03/03 18:08

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S63	20,532	S62 and controller	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/03 18:08
S64	514	S63 and ad$1hoc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/03 18:08
S65	218	S64 and playback	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/03 18:09
S66	24	S65 and join$3 near3 network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/03 18:09
S67	1,599	zone near3 player$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/03 18:15
S68	473	S67 and controller	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/03 18:15
S69	6	S68 and ad$1hoc	US-PGPUB; USPAT; USOCR;	OR	ON	2011/03/03 18:15

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S70	496	zone adj player$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/03 18:16
S71	1	S70 and ad$1hoc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/03 18:16
S72	145	S70 and controller	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/03 18:16
S73	0	S72 and join$3 near3 network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/03 18:17
S74	71	S72 and network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/03 18:17
S75	151	(audio, media) adj player$1 with zone$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/03 18:22
S76	93	S75 and controller	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2011/03/03 18:22

			JPO; DERWENT; IBM_TDB			
S77	0	S76 and ad$1hoc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/03 18:22
S78	0	S75 and ad$1hoc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/03 18:23
S79	0	S76 and IP near2 broadcast	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/03 18:24
S80	0	S76 and datagrams near2 prob$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/03 18:24
S81	22,189	secure near2 network	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 12:21
S82	10,665	(unsecure, ad$1hoc) near2 network	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 12:22
S83	978	S81 and S82	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 12:22
S84	0	S83 and zone near2 player$1	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 12:22
S85	509	zone adj players	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2011/10/11 12:22

			DERWENT; IBM_TDB			
S86	0	S85 and join$3 near3 network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/11 12:23
S87	8,495	ad$1hoc adj network$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/11 12:23
S88	1	S85 and S87	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/11 12:23
S89	9	S85 and (secure, private) near2 network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/11 12:25
S90	473	zone adj player$1	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 12:27
S91	94	S90 and (secure, ad$1hoc)	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 12:28
S92	37	S91 and network	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 12:28
S93	8	S92 and join$3	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 12:28
S94	29	S92 not S93	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 12:30
S95	0	S90 and "wep key"	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 12:31

S96	0	S90 and "wired equivalent privacy"	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 12:31
S97	2,098	media near2 player with (zones, area)	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 12:31
S98	3	S97 and "wired equivalent privacy"	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 12:32
S99	45,961	Home near2 network	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 12:33
S100	374	S99 and ("wired equivalent privacy", HHID)	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 12:33
S101	374	S99 and ("wired equivalent privacy")	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 12:33
S102	0	S101 and HHID	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 12:33
S103	0	S99 and HHID	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 12:34
S104	67	S101 and join$3 near5 network	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 12:34
S105	61	S101 and join$3 near3 network	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 12:34
S106	27	S81 and S105	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 12:35
S107	39	S105 and (secure, private) near2 network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/11 12:35
S108	14	S82 and S107	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 12:35
S109	4	S108 and (media, playback, zone) near2 (device, terminal, apparatus)	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 12:42

S110	31	(US-20060142034-$ or US-20050170781-$ or US-20070038999-$ or US-20070022156-$ or US-20040103282-$ or US-20060280131-$ or US-20050283779-$ or US-20070022207-$ or US-20060205510-$ or US-20060075439-$ or US-20050058149-$ or US-20040022221-$ or US-20060287099-$ or US-20020124097-$ or US-20070168553-$ or US-20060224885-$ or US-20060221858-$).did. or (US-7469139-$ or US-7434166-$ or US-7433324-$ or US-7263070-$ or US-7218930-$ or US-7571014-$ or US-6349352-$ or US-7792311-$ or US-7805682-$).did. or (US-20070022207-$ or US-20070022156-$ or WO-2005013047-$ or US-20070214229-$ or US-7792311-$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 12:48
S111	358,248	(media, playback, zone) near2 (device, terminal, apparatus, player)	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 13:20
S112	10,969	S111 and home near3 network	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 13:20
S113	1,507	S112 and zone$1	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 13:21
S114	34	S113 and WEP	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 13:21
S115	2	"20100245582"	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 13:31
S116	743	wep and home near3 network	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 13:34
S117	98	S116 and zone$1	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 13:34
S118	10	S117 and join$4 near3 network	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/11 13:35
S119	0	S85 and WEp	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2011/10/11 13:37

			DERWENT; IBM_TDB			
S120	665	home near2 network and WEP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/11 13:38
S121	357	S120 and (audio, music)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/11 13:38
S122	76	S121 and (connect44, join$4) near3 network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/11 13:38
S123	43	(US-20060142034-$ or US-20050170781-$ or US-20070038999-$ or US-20070022156-$ or US-20040103282-$ or US-20060280131-$ or US-20050283779-$ or US-20070022207-$ or US-20060205510-$ or US-20060075439-$ or US-20050058149-$ or US-20040022221-$ or US-20060287099-$ or US-20020124097-$ or US-20070168553-$ or US-20060224885-$ or US-20060221858-$ or US-20020176366-$ or US-20070264973-$ or US-20070233860-$ or US-20070106898-$ or US-20070061575-$ or US-20070050615-$ or US-20060251258-$ or US-20060045267-$ or US-20050266826-$).did. or (US-20040168081-$ or US-20040133689-$).did. or (US-7469139-$ or US-7434166-$ or US-7433324-$ or US-7263070-$ or US-7218930-$ or US-7571014-$ or US-6349352-$ or US-7792311-$ or US-7805682-$ or US-7546357-$).did. or (US-20070022207-$ or US-20070022156-$ or WO-2005013047-$ or US-20070214229-$ or US-7792311-$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/13 15:40

S124	30	S123 and wired and wireless	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/13 15:40
S125	9	S123 and "network interface" same wired same wireless	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/13 15:43
S126	43	(US-20060142034-$ or US-20050170781-$ or US-20070038999-$ or US-20070022156-$ or US-20040103282-$ or US-20060280131-$ or US-20050283779-$ or US-20070022207-$ or US-20060205510-$ or US-20060075439-$ or US-20050058149-$ or US-20040022221-$ or US-20060287099-$ or US-20020124097-$ or US-20070168553-$ or US-20060224885-$ or US-20060221858-$ or US-20020176366-$ or US-20070264973-$ or US-20070233860-$ or US-20070106898-$ or US-20070061575-$ or US-20070050615-$ or US-20060251258-$ or US-20060045267-$ or US-20050266826-$).did. or (US-20040168081-$ or US-20040133689-$).did. or (US-7469139-$ or US-7434166-$ or US-7433324-$ or US-7263070-$ or US-7218930-$ or US-7571014-$ or US-6349352-$ or US-7792311-$ or US-7805682-$ or US-7546357-$).did. or (US-20070022207-$ or US-20070022156-$ or WO-2005013047-$ or US-20070214229-$ or US-7792311-$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/22 21:43
S127	16	S126 and configuration near3 (setting$1, information)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/22 21:44
S128	393	wep and request with configuration	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/23 00:47
S129	78	S128 and join$3 with network	US-PGPUB; USPAT; USOCR;	OR	ON	2011/10/23 00:47

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S130	43	(US-20060142034-$ or US-20050170781-$ or US-20070038999-$ or US-20070022156-$ or US-20040103282-$ or US-20060280131-$ or US-20050283779-$ or US-20070022207-$ or US-20060205510-$ or US-20060075439-$ or US-20050058149-$ or US-20040022221-$ or US-20060287099-$ or US-20020124097-$ or US-20070168553-$ or US-20060224885-$ or US-20060221858-$ or US-20020176366-$ or US-20070264973-$ or US-20070233860-$ or US-20070106898-$ or US-20070061575-$ or US-20070050615-$ or US-20060251258-$ or US-20060045267-$ or US-20050266826-$).did. or (US-20040168081-$ or US-20040133689-$).did. or (US-7469139-$ or US-7434166-$ or US-7433324-$ or US-7263070-$ or US-7218930-$ or US-7571014-$ or US-6349352-$ or US-7792311-$ or US-7805682-$ or US-7546357-$).did. or (US-20070022207-$ or US-20070022156-$ or WO-2005013047-$ or US-20070214229-$ or US-7792311-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2012/06/12 14:09
S131	21	S130 and button	US-PGPUB; USPAT; DERWENT	OR	OFF	2012/06/12 14:11
S132	5,224	709/231.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2012/07/15 11:22
S133	4,802	370/254.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2012/07/15 11:22
S134	0	S132 and SSID and WEP	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2012/07/15 11:24

S135	17	S133 and SSID and WEP	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2012/07/15 11:24
S136	2,189	"L5" and (wired, wireless)	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2012/07/15 11:24
S147	77	(US-20060142034-$ or US-20050170781-$ or US-20070038999-$ or US-20070022156-$ or US-20040103282-$ or US-20060280131-$ or US-20050283779-$ or US-20070022207-$ or US-20060205510-$ or US-20060075439-$ or US-20050058149-$ or US-20040022221-$ or US-20060287099-$ or US-20020124097-$ or US-20070168553-$ or US-20060224885-$ or US-20060221858-$ or US-20020176366-$ or US-20070264973-$ or US-20070233860-$ or US-20070106898-$ or US-20070061575-$ or US-20070050615-$ or US-20060251258-$ or US-20060045267-$ or US-20050266826-$).did. or (US-20040168081-$ or US-20040133689-$).did. or (US-7469139-$ or US-7434166-$ or US-7433324-$ or US-7263070-$ or US-7218930-$ or US-7571014-$ or US-6349352-$ or US-7792311-$ or US-7805682-$ or US-7546357-$).did. or (US-20070022207-$ or US-20070022156-$ or WO-2005013047-$ or US-20070214229-$ or US-7792311-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2019/05/03 17:04
S148	77	(US-20060142034-$ or US-20050170781-$ or US-20070038999-$ or US-20070022156-$ or US-20040103282-$ or US-20060280131-$ or US-20050283779-$ or US-20070022207-$ or US-20060205510-$ or US-20060075439-$ or US-20050058149-$ or US-20040022221-$ or US-20060287099-$ or US-20020124097-$ or US-20070168553-$ or US-20060224885-$ or US-20060221858-$ or US-20020176366-$ or US-20070264973-$ or US-20070233860-$ or US-20070106898-$ or US-20070061575-$ or US-	US-PGPUB; USPAT; DERWENT	OR	OFF	2019/05/15 17:49

		20070050615-$ or US-20060251258-$ or US-20060045267-$ or US-20050266826-$).did. or (US-20040168081-$ or US-20040133689-$).did. or (US-7469139-$ or US-7434166-$ or US-7433324-$ or US-7263070-$ or US-7218930-$ or US-7571014-$ or US-6349352-$ or US-7792311-$ or US-7805682-$ or US-7546357-$).did. or (US-20070022207-$ or US-20070022156-$ or WO-2005013047-$ or US-20070214229-$ or US-7792311-$).did.				
S150	19	S148 and wlan	US-PGPUB; USPAT; DERWENT	OR	OFF	2019/05/15 17:50
S151	7	S148 and wlan with secure	US-PGPUB; USPAT; DERWENT	OR	OFF	2019/05/15 17:50
S152	45	S148 and configuration	US-PGPUB; USPAT; DERWENT	OR	OFF	2019/05/15 18:34
S153	1,737	zone near2 players	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2019/05/15 19:20
S154	875	S153 and audio	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2019/05/15 19:20
S155	19	S154 and wlan	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2019/05/15 19:20
S156	531	networked with audio near3 system	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2019/05/15 19:22
S157	71	S156 and synchronized near3 playback	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2019/05/15 19:22
S158	39	S157 and (@ad<"20150604" or @rlad<"20050604")	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2019/05/15 19:23
S159	4	S157 and (@ad<"20040604" or @rlad<"20040604")	USPAT; USOCR; EPO;	OR	ON	2019/05/15 19:24

			JPO; DERWENT			
S160	793	(media, zone) near2 players and synchronized with playback	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2019/05/15 19:26
S161	72	S156 and S160	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2019/05/15 19:26
S162	1	S161 and (@ad<"20040604" or @rlad<"20040604")	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2019/05/15 19:26
S163	4,974	(media, zone, audio) near2 players with (group$1, zone$1)	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2019/05/15 19:27
S164	250	S163 and wlan	US-PGPUB; USPAT; DERWENT	OR	OFF	2019/05/15 19:28
S165	27	S164 and (@ad<"20040604" or @rlad<"20040604")	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2019/05/15 19:28
S166	310	S154 and grouping	US-PGPUB; USPAT; DERWENT	OR	OFF	2019/05/15 19:31
S167	35	S166 and (@ad<"20040604" or @rlad<"20040604")	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2019/05/15 19:31
S168	257	(media, audio) adj player near2 (zone$1, group$1, grouping$1)	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2019/05/15 19:36
S169	505	(media, audio) adj player with player near2 (zone$1, group$1, grouping$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/05/15 19:36
S170	52	S169 and (@ad<"20040604" or @rlad<"20040604")	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2019/05/15 19:37

S171	874	networked same audio near3 system	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2019/05/15 19:39
S172	265	S171 and (@ad<"20040604" or @rlad<"20040604")	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2019/05/15 19:40
S173	419	S156 and (@ad<"20150604" or @rlad<"20050604")	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2019/05/15 19:40
S174	105	S173 and group$4 with player$1	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2019/05/15 19:40
S175	1	"20040168081"	US-PGPUB	OR	ON	2019/05/20 16:00
S176	43	(US-20060142034-$ or US-20050170781-$ or US-20070038999-$ or US-20070022156-$ or US-20040103282-$ or US-20060280131-$ or US-20050283779-$ or US-20070022207-$ or US-20060205510-$ or US-20060075439-$ or US-20050058149-$ or US-20040022221-$ or US-20060287099-$ or US-20020124097-$ or US-20070168553-$ or US-20060224885-$ or US-20060221858-$ or US-20020176366-$ or US-20070264973-$ or US-20070233860-$ or US-20070106898-$ or US-20070061575-$ or US-20070050615-$ or US-20060251258-$ or US-20060045267-$ or US-20050266826-$).did. or (US-20040168081-$ or US-20040133689-$).did. or (US-7469139-$ or US-7434166-$ or US-7433324-$ or US-7263070-$ or US-7218930-$ or US-7571014-$ or US-6349352-$ or US-7792311-$ or US-7805682-$ or US-7546357-$).did. or (US-20070022207-$ or US-20070022156-$ or WO-2005013047-$ or US-20070214229-$ or US-7792311-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2019/05/20 17:37
S177	3	S176 and audio near2 (network, system) and playback near3 (device, terminal, ue)	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	2019/05/20 17:38

			JPO; DERWENT; IBM_TDB			
S178	2	"20020124097"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/05/20 17:39
S179	475,824	709/222.ccls. or H04L41/22.cpc. or G06F3/0481.cpc. or G06F3/0482.cpc. or G06F3/04842.cpc. or G06F3/04847.cpc. or H04L12/28.cpc. or H04L12/2803.cpc. or H04L12/2807.cpc. or H04L12/2809.cpc. or H04L41/0809.cpc. or H04L63/10.cpc. or H04L65/60.cpc. or H04L67/02.cpc. or H04L67/10.cpc. or H04L67/141.cpc. or H04W12/04.cpc. or H04W12/08.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/05/26 18:20
S180	629	S179 and ssid and wep near2 (key, password)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/05/26 18:20
S181	236	S180 and wlan	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/05/26 18:20
S182	51	S181 and join$3 near3 network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/05/26 18:21
S183	51	S182 and access near2 point	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/05/26 18:21

S184	450,103	709/222.ccls. or H04L41/22.cpc. or G06F3/0481.cpc. or G06F3/0482.cpc. or G06F3/04842.cpc. or G06F3/04847.cpc. or H04L12/28.cpc. or H04L12/2803.cpc. or H04L12/2807.cpc. or H04L12/2809.cpc. or H04L41/0809.cpc. or H04L63/10.cpc. or H04L65/60.cpc. or H04L67/02.cpc. or H04L67/10.cpc. or H04L67/141.cpc. or H04W12/04.cpc. or H04W12/08.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/09/16 13:59
S185	75	S184 and ssid and wep and (join$3, access$3) near3 secure near network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/09/16 14:03
S186	38	S185 and wlan	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/09/16 14:05
S187	242	((("MILLINGTON") near3 ("Nicholas")) OR (("HAINSWORTH") near3 ("Paul"))).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2019/09/16 14:06
S188	3	S187 and ssid and wep and (join$3, access$3) near3 secure near network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/09/16 14:06
S193	18	("20020161865" | "20050198221" | "20060161635" | "20070220150" | "20080109852" | "5642171" | "6006275" | "6119239" | "6122749" | "6703940" | "6801507" | "7058719" | "7269338" | "7313384" | "7321784" | "8064904" | "8601394" | "8688431").PN.	US-PGPUB; USPAT	OR	ON	2019/11/10 19:30
S194	4	S193 and access adj point and (mobile, controller)	US-PGPUB; USPAT	OR	ON	2019/11/10 19:50
S207	525,345	709/222.ccls. or H04L41/22.cpc. or G06F3/0481.cpc. or G06F3/0482.cpc.	US-PGPUB; USPAT;	OR	ON	2020/02/17 20:32

		or G06F3/04842.cpc. or G06F3/04847.cpc. or H04L12/28.cpc. or H04L12/2803.cpc. or H04L12/2807.cpc. or H04L12/2809.cpc. or H04L41/0809.cpc. or H04L63/10.cpc. or H04L65/60.cpc. or H04L67/02.cpc. or H04L67/10.cpc. or H04L67/141.cpc. or H04W12/04.cpc. or H04W12/08.cpc.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S208	678	S207 and ssid and wep near2 (key, password)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/02/17 20:32
S209	248	S208 and wlan	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/02/17 20:32
S210	58	S209 and join$3 near3 network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/02/17 20:32
S211	58	S210 and access near2 point	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/02/17 20:32
S212	263	((("MILLINGTON") near3 ("Nicholas")) OR (("HAINSWORTH") near3 ("Paul"))).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2020/02/17 20:33
S213	3	S212 and ssid and wep and (join$3, access$3) near3 secure near network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/02/17 20:33

S214	18	("20020161865" | "20050198221" | "20060161635" | "20070220150" | "20080109852" | "5642171" | "6006275" | "6119239" | "6122749" | "6703940" | "6801507" | "7058719" | "7269338" | "7313384" | "7321784" | "8064904" | "8601394" | "8688431").PN.	US-PGPUB; USPAT	OR	ON	2020/02/17 20:33
S215	4	S214 and access adj point and (mobile, controller)	US-PGPUB; USPAT	OR	ON	2020/02/17 20:33
S216	545,472	709/222.ccls. or H04L41/22.cpc. or G06F3/0481.cpc. or G06F3/0482.cpc. or G06F3/04842.cpc. or G06F3/04847.cpc. or H04L12/28.cpc. or H04L12/2803.cpc. or H04L12/2807.cpc. or H04L12/2809.cpc. or H04L41/0809.cpc. or H04L63/10.cpc. or H04L65/60.cpc. or H04L67/02.cpc. or H04L67/10.cpc. or H04L67/141.cpc. or H04W12/04.cpc. or H04W12/08.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/09/23 02:08
S217	645	S216 and ssid and wep near2 (key, password)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/09/23 02:08
S218	215	S217 and wlan	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/09/23 02:08
S219	48	S218 and join$3 near3 network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/09/23 02:08
S220	48	S219 and access near2 point	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/09/23 02:08

S221	12	S220 and travers$4 with (access adj point, router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/09/23 02:09
S222	0	S221 and (@ad<"20040604" or @rlad<"20040604")	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2020/09/23 02:09
S223	144	S217 and secure near2 network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/09/23 02:10
S224	8	S223 and travers$4 with (access adj point, router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/09/23 02:10
S225	0	S224 and (@ad<"20040604" or @rlad<"20040604")	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2020/09/23 02:10
S226	318	S216 and ssid and (playback adj device, zone adj player)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/09/23 02:15
S227	7	S226 and setup near2 mode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/09/23 02:15
S228	1	S227 and travers$4 with (access adj point, router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/09/23 02:15

S229	273	((("MILLINGTON") near3 ("Nicholas")) OR (("HAINSWORTH") near3 ("Paul"))).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2020/09/23 02:29
S230	3	S229 and ssid and wep and (join$3, access$3) near3 secure near network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/09/23 02:29
S231	77	(US-20060142034-$ or US-20050170781-$ or US-20070038999-$ or US-20070022156-$ or US-20040103282-$ or US-20060280131-$ or US-20050283779-$ or US-20070022207-$ or US-20060205510-$ or US-20060075439-$ or US-20050058149-$ or US-20040022221-$ or US-20060287099-$ or US-20020124097-$ or US-20070168553-$ or US-20060224885-$ or US-20060221858-$ or US-20020176366-$ or US-20070264973-$ or US-20070233860-$ or US-20070106898-$ or US-20070061575-$ or US-20070050615-$ or US-20060251258-$ or US-20060045267-$ or US-20050266826-$).did. or (US-20040168081-$ or US-20040133689-$).did. or (US-7469139-$ or US-7434166-$ or US-7433324-$ or US-7263070-$ or US-7218930-$ or US-7571014-$ or US-6349352-$ or US-7792311-$ or US-7805682-$ or US-7546357-$).did. or (US-20070022207-$ or US-20070022156-$ or WO-2005013047-$ or US-20070214229-$ or US-7792311-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2020/09/23 02:30
S232	7	S231 and wlan with secure	US-PGPUB; USPAT; DERWENT	OR	OFF	2020/09/23 02:30
S238	553,527	709/222.ccls. or H04L41/22.cpc. or G06F3/0481.cpc. or G06F3/0482.cpc. or G06F3/04842.cpc. or G06F3/04847.cpc. or H04L12/28.cpc. or H04L12/2803.cpc. or H04L12/2807.cpc. or H04L12/2809.cpc. or H04L41/0809.cpc. or H04L63/10.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/11/21 13:59

		or H04L65/60.cpc. or H04L67/02.cpc. or H04L67/10.cpc. or H04L67/141.cpc. or H04W12/04.cpc. or H04W12/08.cpc.				
S239	647	S238 and ssid and wep near2 (key, password)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/11/21 13:59
S240	216	S239 and wlan	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/11/21 13:59
S241	48	S240 and join$3 near3 network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/11/21 13:59
S242	48	S241 and access near2 point	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/11/21 13:59
S243	12	S242 and travers$4 with (access adj point, router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/11/21 13:59
S244	0	S243 and (@ad<"20040604" or @rlad<"20040604")	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2020/11/21 13:59
S245	144	S239 and secure near2 network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/11/21 13:59

S246	8	S245 and travers$4 with (access adj point, router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/11/21 13:59
S247	0	S246 and (@ad<"20040604" or @rlad<"20040604")	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2020/11/21 13:59
S248	319	S238 and ssid and (playback adj device, zone adj player)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/11/21 14:00
S249	7	S248 and setup near2 mode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/11/21 14:00
S250	1	S249 and travers$4 with (access adj point, router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/11/21 14:00
S251	77	(US-20060142034-$ or US-20050170781-$ or US-20070038999-$ or US-20070022156-$ or US-20040103282-$ or US-20060280131-$ or US-20050283779-$ or US-20070022207-$ or US-20060205510-$ or US-20060075439-$ or US-20050058149-$ or US-20040022221-$ or US-20060287099-$ or US-20020124097-$ or US-20070168553-$ or US-20060224885-$ or US-20060221858-$ or US-20020176366-$ or US-20070264973-$ or US-20070233860-$ or US-20070106898-$ or US-20070061575-$ or US-20070050615-$ or US-20060251258-$ or US-20060045267-$ or US-20050266826-$).did. or (US-20040168081-$ or US-20040133689-	US-PGPUB; USPAT; DERWENT	OR	OFF	2020/11/21 14:01

		$).did. or (US-7469139-$ or US-7434166-$ or US-7433324-$ or US-7263070-$ or US-7218930-$ or US-7571014-$ or US-6349352-$ or US-7792311-$ or US-7805682-$ or US-7546357-$).did. or (US-20070022207-$ or US-20070022156-$ or WO-2005013047-$ or US-20070214229-$ or US-7792311-$).did.				
S252	7	S251 and wlan with secure	US-PGPUB; USPAT; DERWENT	OR	OFF	2020/11/21 14:01

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S137	6,339	709/220.ccls.	US-PGPUB; USPAT	OR	OFF	2012/07/15 11:24
S138	3,105	S137 and (wired, wireless)	US-PGPUB; USPAT	OR	ON	2012/07/15 11:25
S139	58	S138 and ssid and wep	US-PGPUB; USPAT	OR	ON	2012/07/15 11:25
S140	4	S139 and (zone, media) near2 player	US-PGPUB; USPAT	OR	ON	2012/07/15 11:25
S143	1,080,521	@ad >="20040606" and @ad<="20060606"	US-PGPUB; USPAT	OR	ON	2012/07/15 11:29
S144	1,141	S137 and S143	US-PGPUB; USPAT	OR	ON	2012/07/15 11:29
S145	17	S144 and ssid and wep	US-PGPUB; USPAT	OR	ON	2012/07/15 11:29
S146	1	S145 and (zone, media) near2 player	US-PGPUB; USPAT	OR	ON	2012/07/15 11:29
S189	1,691	H04L41/28$2.cpc.	US-PGPUB; USPAT	OR	OFF	2019/09/16 14:07
S190	38	S189 and ssid and wep	US-PGPUB; USPAT	OR	ON	2019/09/16 14:08
S191	13	S190 and wlan	US-PGPUB; USPAT	OR	OFF	2019/09/16 14:08
S192	13	S191 and (join$3, access$3) near3 network	US-PGPUB; USPAT	OR	ON	2019/09/16 14:09
S195	9,128	709/220.ccls.	US-PGPUB; USPAT	OR	OFF	2019/11/11 23:58
S196	4,916	S195 and (wired, wireless)	US-PGPUB; USPAT	OR	ON	2019/11/11 23:58

S197	90	S196 and ssid and wep	US-PGPUB; USPAT	OR	ON	2019/11/11 23:58
S198	14	S197 and (zone, media) near2 player	US-PGPUB; USPAT	OR	ON	2019/11/11 23:58
S199	1,765	H04L41/28$2.cpc.	US-PGPUB; USPAT	OR	OFF	2019/11/11 23:58
S200	39	S199 and ssid and wep	US-PGPUB; USPAT	OR	ON	2019/11/11 23:58
S201	14	S200 and wlan	US-PGPUB; USPAT	OR	OFF	2019/11/11 23:58
S202	14	S201 and (join$3, access$3) near3 network	US-PGPUB; USPAT	OR	ON	2019/11/11 23:58
S203	1,092,542	@ad >="20040606" and @ad<="20060606"	US-PGPUB; USPAT	OR	ON	2019/11/11 23:58
S204	1,287	S195 and S203	US-PGPUB; USPAT	OR	ON	2019/11/11 23:58
S205	19	S204 and ssid and wep	US-PGPUB; USPAT	OR	ON	2019/11/11 23:58
S206	2	S205 and (zone, media) near2 player	US-PGPUB; USPAT	OR	ON	2019/11/11 23:58
S233	9,132	709/220.ccls.	US-PGPUB; USPAT	OR	OFF	2020/09/23 02:11
S234	4,920	S233 and (wired, wireless)	US-PGPUB; USPAT	OR	ON	2020/09/23 02:11
S235	90	S234 and ssid and wep	US-PGPUB; USPAT	OR	ON	2020/09/23 02:11
S236	14	S235 and (zone, media) near2 player	US-PGPUB; USPAT	OR	ON	2020/09/23 02:11
S237	0	S236 and travers$4 with (access adj point, router)	US-PGPUB; USPAT	OR	ON	2020/09/23 02:12
S253	9,133	709/220.ccls.	US-PGPUB; USPAT	OR	OFF	2020/11/21 14:01
S254	4,921	S253 and (wired, wireless)	US-PGPUB; USPAT	OR	ON	2020/11/21 14:01
S255	90	S254 and ssid and wep	US-PGPUB; USPAT	OR	ON	2020/11/21 14:01
S256	14	S255 and (zone, media) near2 player	US-PGPUB; USPAT	OR	ON	2020/11/21 14:01
S257	1,092,642	@ad >="20040606" and @ad<="20060606"	US-PGPUB; USPAT	OR	ON	2020/11/21 14:02
S258	1,287	S253 and S257	US-PGPUB; USPAT	OR	ON	2020/11/21 14:02
S259	19	S258 and ssid and wep	US-PGPUB; USPAT	OR	ON	2020/11/21 14:02

S260	2	S259 and (zone, media) near2 player	US-PGPUB; USPAT	OR	ON	2020/11/21 14:02
S261	2,008	H04L41/28$2.cpc.	US-PGPUB; USPAT	OR	OFF	2020/11/21 14:02
S262	42	S261 and ssid and wep	US-PGPUB; USPAT	OR	ON	2020/11/21 14:02
S263	17	S262 and wlan	US-PGPUB; USPAT	OR	OFF	2020/11/21 14:02
S264	17	S263 and (join$3, access$3) near3 network	US-PGPUB; USPAT	OR	ON	2020/11/21 14:02
S265	9,133	709/220.ccls.	US-PGPUB; USPAT	OR	OFF	2020/11/21 14:03
S266	1,092,642	@ad >="20040606" and @ad<="20060606"	US-PGPUB; USPAT	OR	ON	2020/11/21 14:03
S267	1,287	S265 and S266	US-PGPUB; USPAT	OR	ON	2020/11/21 14:03
S268	19	S267 and ssid and wep	US-PGPUB; USPAT	OR	ON	2020/11/21 14:03
S269	2	S268 and (zone, media) near2 player	US-PGPUB; USPAT	OR	ON	2020/11/21 14:03
S270	9,133	709/220.ccls.	US-PGPUB; USPAT	OR	OFF	2020/11/21 14:03
S271	4,921	S270 and (wired, wireless)	US-PGPUB; USPAT	OR	ON	2020/11/21 14:03
S272	90	S271 and ssid and wep	US-PGPUB; USPAT	OR	ON	2020/11/21 14:03
S273	14	S272 and (zone, media) near2 player	US-PGPUB; USPAT	OR	ON	2020/11/21 14:03
S274	0	S273 and travers$4 with (access adj point, router)	US-PGPUB; USPAT	OR	ON	2020/11/21 14:03

2/27/2021 6:22:16 PM
C:\Users\gmadamba\Documents\EAST\Workspaces\17018401_2020-11-17_CON of 16746294.wsp

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	NewsRoom. Custom Home, Easy listening: the hard disk is shaping the future of home entertainment. (The Wired House)., 1 May 2003, 3 pages.	
	2	NewsRoom. D-Link to Supply Omnifi with Exclusive New Antenna for Streaming Audio Throughout the House, 8 January 2004, 3 pages.	
	3	NewsRoom. Easdown, R., System Heaven: Custom House Technofile, 24 November 2003, 5 pages.	
	4	NewsRoom. Electronic House Expo Announces 2005 Multi-Room Audio/Video Award Winners. 18 November 2005, 3 pages.	
	5	NewsRoom. Electronic House Expo Fall 2003 Exhibitor Profiles. Business Wire. 11 November 2003, 7 pages.	
	6	NewsRoom. Electronic House Expo Spring 2004 Exhibitor Profiles. Business Wire. 10 March 2004, 7 pages.	
	7	NewsRoom. Evangelista, B., SOUND AND FURY THE LATEST IN VOLUME AND VIDEO AT SF HOME ENTERTAINMENT SHOW, 6 June 2003, 3 pages.	
	8	NewsRoom. Fallon et al. THE GOODS, 31 July 2003, 2 pages.	
	9	NewsRoom. Future shocks - CONNECT: Your ultimate home-entertainment guide, 4 December 2003, 3 pages.	
	10	NewsRoom. Gracenote Powers New Music Devices for Home Audio, 8 January 2004, 3 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	11	NewsRoom. Greg, T., Rooms with a tune, 23 July 2003, 3 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	NewsRoom. Hoffman, A., Computer networks start entertaining, 1 June 2003, 3 pages.	
	13	NewsRoom. Home theater systems that are a real blast, NEW STRAITS. 6 January 2000, 3 pages.	
	14	NewsRoom. IDG's PC World Announces Winners of the 2004 World Class Awards, 2 June 2004, 3 pages.	
	15	NewsRoom. InfoComm 2004 Exhibitors Volume 7, Issue 5, 1 May 2004, 24 pages.	
	16	NewsRoom. International Herald Tribune, Transmitting media gets easier cheaply, 31 January 2004, 2 pages.	
	17	NewsRoom. Latest electronic gadgets unveiled in Las Vegas: Wireless Devices take centre stage, 13 January 2003, 4 pages.	
	18	NewsRoom. Linksys Extends Wireless Functionality to the Television, 14 July 2003, 3 pages.	
	19	NewsRoom. Linksys Ships Wireless-B Media Link for Streamlined Delivery of Music From PC to Stereo Stream MP3s, Play Lists and Internet Radio to Any Stereo With the Wireless-B Media Link for Music, 19 May 2004, 3 pages.	
	20	NewsRoom. Linksys Wireless Home Products Are Hot Tech Gifts for 2003, 24 November 2003, 3 pages.	
	21	NewsRoom. Living room expansion – The PC is going from word processor to entertainment hub for many households, 18 August 2003, 4 pages.	
	22	NewsRoom. Macy's Returns To Electronics With Home Theater Boutique, 11 August 2003, 2 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	NewsRoom. Many different ways to enjoy digital music library, 29 April, 2003, 3 pages.	
	24	NewsRoom. Marlowe, C., Pad gadgets: home is where the gear is. 20 October, 2003, 2 pages.	
	25	NewsRoom. Miller II, S. A., Technology gets simpler and smarter, 14 January 2003, 2 pages.	
	26	NewsRoom. Miller, M., Adapted for flight: hands-on trial: wireless media adapters send digital entertainment soaring from PC to living room. 18 September 2003, 3 pages.	
	27	NewsRoom. Miller, S., Creating Virtual Jukeboxes Gadgets Make Digital Music Portable. 19 August 2003, 3 pages.	
	28	NewsRoom. Morning Call, Cutting the cord; Wi-Fi networks connect computers, TVs, DVD players and more without a clutter of wires, 2 February 2003, 5 pages.	
	29	NewsRoom. Mossberg, W., PC-stored music sent without wires, 25 January 2004, 2 pages.	
	30	NewsRoom. Nadel, B., Beam music, images from PC to stereo, TV: Linksys Wireless-B Media Adapter WMA11B. 1 November 2003, 2 pages.	
	31	NewsRoom. Net Briefs, 21 July 2003, 2 pages.	
	32	NewsRoom. NetWork World, The Toys of Summer, 1 September 2003, 3 pages.	
	33	NewsRoom. Networked C300 Speaks Your Language. 6 April 2003, 3 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	NewsRoom. New Camera – Now What? It's easy to go wild printing, sharing your digital photos. 16 October, 2003, 2 pages.	
	35	NewsRoom. New Products Allow Easier Access to Audio Video on Home Computers, 9 November 2003, 3 pages.	
	36	NewsRoom. Newman, H., All-in-one Audio, Video Devices will be next big thing, 9 January 2003, 3 pages.	
	37	NewsRoom. Norris, A., Come over to my house. 23 January 2003, 3 pages.	
	38	NewsRoom. On The Printer Trail -- Ream of new SMB models offers channel a range of sales hooks CRN Test Center finds. 13 October 2003, 5 pages.	
	39	NewsRoom. One way to organize and weed Favorites, 8 May 2003, 3 pages.	
	40	NewsRoom, Outfitting your personal fortress of solitude, 14 March 2002, 4 pages.	
	41	NewsRoom. Philadelphia Inquirer, Wireless solution for stereo sound, 7 August 2003, 3 pages.	
	42	NewsRoom. Popular Science, Yamaha Musiccast An easy way to spread music around your home, 1 December 2003, 2 pages.	
	43	NewsRoom. PR Newswire, "Home Director Announces Availability of AudioPoint Receiver," 27 September 2002, 4 pages.	
	44	NewsRoom. Preview the New EZ-Stream Wireless Audio Adapter at CES January 8-11 2004 BridgeCo Booth 19629, 7 January 2004, 3 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	NewsRoom. Receiver Lets Stereo Join The Wi-Fi Band, 10 April, 2003, 2 pages.	
	46	NewsRoom. Rogers, P., SPEAKER SCREECH: THE END IS NEAR, 8 April 2003, 2 pages.	
	47	NewsRoom. San Jose Mercury News, Intel Fund To Invest In Digital Home, 7 January 2004, 2 pages.	
	48	NewsRoom. SCIENCE & TECHNOLOGY: Wired for sound and video, 14 January 2004, 3 pages.	
	49	NewsRoom, Sears reveals plans for new Eatons stores, 26 October 2000, 3 pages.	
	50	NewsRoom. Seattle Times, Inventions real stars of the show As speeches predict future 100,000 browse 'superstore', 13 January 2003, 4 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Notice of Allowance mailed on 02 July 2015, issued in connection with U.S. Patent Application No. 13/888203, filed on 06 May 2013, 19 pages.	
	2	Notice of Allowance mailed on 02 July 2015, issued in connection with U.S. Patent Application No. 14/184935, filed on 20 February 2014, 23 pages.	
	3	Notice of Allowance mailed on 02 June 2017, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 10 pages.	
	4	Notice of Allowance mailed on 03 April 2017, issued in connection with U.S. Patent Application No. 15/088678, filed on 01 April 2016, 8 pages.	
	5	Notice of Allowance mailed on 03 September 2015, issued in connection with U.S. Patent Application No. 13/705174, filed on 05 December 2012, 4 pages.	
	6	Notice of Allowance mailed on 04 August 2015, issued in connection with U.S. Patent Application No. 14/516867, filed on 17 October 2014, 13 pages.	
	7	Notice of Allowance mailed on 04 October 2017, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 8 pages.	
	8	Notice of Allowance mailed on 05 October 2012, issued in connection with U.S. Patent Application No. 13/204511, filed on 05 August 2011, 11 pages.	
	9	Notice of Allowance mailed on 06 March 2014, issued in connection with U.S. Patent Application No. 13/827653, filed 14 March 2013, 17 pages.	
	10	Notice of Allowance mailed on 06 May 2011, issued in connection with U.S. Patent Application No. 11/801468, filed 09 May 2007, 10 pages.	
	11	Notice of Allowance mailed on 06 September 2013, issued in connection with U.S. Patent Application No. 13/619237, filed on 14 September 2012, 10 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Notice of Allowance mailed on 07 April 2016, issued in connection with U.S. Patent Application No. 13/533105, filed on 26 June 2012, 40 pages.	
	13	Notice of Allowance mailed on 07 December 2016, issued in connection with U.S. Patent Application No. 15/156392, filed on 17 May 2016, 9 pages.	
	14	Notice of Allowance mailed on 07 October 2015, issued in connection with U.S. Patent Application No. 14/184526, filed on 19 February 2014, 7 pages.	
	15	Notice of Allowance mailed on 09 March 2017, issued in connection with U.S. Patent Application No. 15/080591, filed on 25 March 2016, 7 pages.	
	16	Notice of Allowance mailed on 09 October 2015, issued in connection with U.S. Patent Application No. 13/435739, filed on 30 March 2012, 4 pages.	
	17	Notice of Allowance mailed on 10 August 2015, issued in connection with U.S. Patent Application No. 13/848904, filed on 22 March 2013, 9 pages.	
	18	Notice of Allowance mailed on 10 February 2017, issued in connection with U.S. Application No. 14/290493, filed on 29 May 2014, 13 pages.	
	19	Notice of Allowance mailed on 10 November 2011, issued in connection with U.S. Patent Application No. 11/906702, filed on 02 October 2007, 17 pages.	
	20	Notice of Allowance mailed on 11 April 2016, issued in connection with U.S. Patent Application No. 13/864247, filed on 17 April 2013, 21 pages.	
	21	Notice of Allowance mailed on 11 January 2016, issued in connection with U.S. Patent Application No. 14/564544, filed on 09 December 2014, 5 pages.	
	22	Notice of Allowance mailed on 12 August 2015, issued in connection with U.S. Patent Application No. 13/435739, filed on 30 March 2012, 27 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Notice of Allowance mailed on 12 July 2017, issued in connection with U.S. Patent Application No. 13/894179, filed on 14 May 2013, 10 pages.	
	24	Notice of Allowance mailed on 13 December 2016, issued in connection with U.S. Patent Application No. 15/080591, filed on 25 March 2016, 9 pages.	
	25	Notice of Allowance mailed on 13 July 2015, issued in connection with U.S. Patent Application No. 14/184526, filed on 19 February 2014, 22 pages.	
	26	Notice of Allowance mailed on 13 July 2017, issued in connection with U.S. Patent Application No. 13/895076, filed on 15 May 2013, 10 pages.	
	27	Notice of Allowance mailed on 13 November 2013, issued in connection with U.S. Patent Application No. 13/724048, filed 21 December 2012, 7 pages.	
	28	Notice of Allowance mailed on 13 October 2015, issued in connection with U.S. Patent Application No. 13/864251, filed on 17 April 2013, 7 pages.	
	29	Notice of Allowance mailed on 14 August 2012, issued in connection withU.S. Patent Application No. 11/147116, filed on 06 June 2005, 33 pages.	
	30	Notice of Allowance mailed on 14 December 2016, issued in connection with U.S. Patent Application No. 15/088906, filed on 01 April 2016, 9 pages.	
	31	Notice of Allowance mailed on 14 June 2012, issued in connection with U.S. Patent Application No. 12/035112, filed on 21 February 2008, 9 pages.	
	32	Notice of Allowance mailed on 15 July 2015, issued in connection with U.S. Patent Application No. 13/705174, filed on 05 December 2012, 18 pages.	
	33	Notice of Allowance mailed on 15 March 2017, issued in connection with U.S. Patent Application No. 15/080716, filed on 25 March 2016, 7 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Notice of Allowance mailed on 15 November 2019, issued in connection with U.S. Patent Application No. 16/298515, filed on 11 March 2019, 8 pages.	
	35	Notice of Allowance mailed on 16 June 2009, issued in connection with U.S. Patent Application No. 10/861653, filed on 05 June 2004, 11 pages.	
	36	Notice of Allowance mailed on 17 July 2015, issued in connection with U.S. Patent Application No. 13/864251, filed on 17 April 2013, 20 pages.	
	37	Notice of Allowance mailed on 17 May 2018, issued in connection with U.S. Patent Application No. 14/805085, filed on 21 July 2015, 18 pages.	
	38	Notice of Allowance mailed on 18 July 2014, issued in connection with U.S. Patent Application No. 13/618829, filed on 14 September 2012, 8 pages.	
	39	Notice of Allowance mailed on 19 May 2015, issued in connection with U.S. Patent Application No. 13/907666, filed on 31 May 2013, 7 pages.	
	40	Notice of Allowance mailed on 19 October 2016, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 14 pages.	
	41	Notice of Allowance mailed on 2 April 2020, issued in connection with U.S. Patent Application No. 15/091113, filed on 5 April 2016, 8 pages.	
	42	Notice of Allowance mailed on 21 September 2015, issued in connection with U.S. Patent Application No. 13/297000, filed on 15 November 2011, 11 pages.	
	43	Notice of Allowance mailed on 22 December 2016, issued in connection with U.S. Patent Application No. 15/080716, filed on 25 March 2016, 9 pages.	
	44	Notice of Allowance mailed on 22 September 2015, issued in connection with U.S. Patent Application No. 13/888203, filed on 06 May 2013, 7 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Notice of Allowance mailed on 23 November 2016, issued in connection with U.S. Patent Application No. 14/803953, filed on 20 July 2015, 21 pages.	
	46	Notice of Allowance mailed on 24 September 2015, issued in connection with U.S. Patent Application No. 13/705174, filed on 05 December 2012, 7 pages.	
	47	Notice of Allowance mailed on 24 September 2015, issued in connection with U.S. Patent Application No. 14/184935, filed on 20 February 2014, 7 pages.	
	48	Notice of Allowance mailed on 24 September 2019, issued in connection with U.S. Patent Application No. 16/298515, filed on 11 March 2019, 8 pages.	
	49	Notice of Allowance mailed on 25 April 2017, issued in connection with U.S. Patent Application No. 15/156392, filed on 17 May 2016, 8 pages.	
	50	Notice of Allowance mailed on 25 September 2014, issued in connection with U.S. Patent Application No. 14/176808, filed on 10 February 2014, 5 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Sonos, Inc. v. Google LLC. Respondents' Final Invalidity Contentions [Redacted] dated 4 September 2020, 261 pages.	
	2	Sonos, Inc. v. Google LLC, Respondents' Response to the Complaint and Notice of Investigation, filed February 27, 2020, 46 pages.	
	3	Sonos, Inc. v. Implicit, LLC: Declaration of Roman Chertov in Support of the Inter Partes Review of U.S. Patent No. 7,391,791 dated March 9, 2018, 92 pages.	
	4	Sonos, Inc. v. Implicit, LLC: Declaration of Roman Chertov in Support of the Inter Partes Review of U.S. Patent No. 8,942,252 dated March 9, 2018, 81 pages.	
	5	Sonos, Inc. v. Lenbrook Industries Limited et al., Defendants' Answer to Plaintiff's Complaint, filed October 14, 2019, 66 pages.	
	6	Sonos, Inc. v. Lenbrook Industries Limited et al., Defendants' First Amended Answer and Counterclaims to Plaintiff's Complaint, filed November 14, 2019, 66 pages.	
	7	Sonos System Overview, Version 1.0, July 2011, 12 pages.	
	8	Sonos v. Google. Exhibit A to Respondents' Initial Invalidity Contentions dated 29 April 2020, 194 pages.	
	9	Sonos v. Google. Respondents' Initial Invalidity Claim Charts for Patent US 10,439,896, Exhibits 1-16 and B, dated 29 April 2020, 1102 pages.	
	10	Sonos v. Google. Respondents' Initial Invalidity Claim Charts for US Patent 10,209,953, Exhibits 1-10 and B, dated 29 April 2020, 288 pages.	
	11	Sonos v. Google. Respondents' Initial Invalidity Claim Charts for US Patent 8,588,949, Exhibits 1-19 and B, dated 29 April 2020, 280 pages. .	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Sonos v. Google. Respondents' Initial Invalidity Claim Charts for US Patent 9,195,258, Exhibits 1 - 10 and B, dated 29 April 2020, 345 pages. .	
	13	Sonos v. Google. Respondents' Initial Invalidity Claim Charts for US Patent 9,219,959, Exhibits 1-9 and B, dated 29 April 2020, 344 pages. .	
	14	Sonos v. Google. Respondents' Initial Invalidity Contentions dated 29 April 2020, 200 pages.	
	15	Sony: AIR-SA 50R Wireless Speaker, Copyright 2009, 2 pages.	
	16	Sony: Altus Quick Setup Guide ALT-SA32PC, Copyright 2009, 2 pages.	
	17	Sony: BD/DVD Home Theatre System Operating Instructions for BDV-E300, E301 and E801, Copyright 2009, 115 pages.	
	18	Sony: BD/DVD Home Theatre System Operating Instructions for BDV-IT1000/BDV-IS1000, Copyright 2008, 159 pages.	
	19	Sony: Blu-ray Disc/DVD Home Theatre System Operating Instructions for BDV-IZ1000W, Copyright 2010, 88 pages.	
	20	Sony: DVD Home Theatre System Operating Instructions for DAV-DZ380W/DZ680W/DZ880W, Copyright 2009, 136 pages.	
	21	Sony: DVD Home Theatre System Operating Instructions for DAV-DZ870W, Copyright 2008, 128 pages.	
	22	Sony Ericsson MS500 User Guide, Copyright 2009, 2 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Sony. Home Theatre System. HT-DDW790 and HT-DDW685 Operating Instructions, 2007, 64 pages.	
	24	Sony: Home Theatre System Operating Instructions for HT-IS100, Copyright 2008, 168 pages.	
	25	Sony: HT-IS100, 5.1 Channel Audio System, last updated November 2009, 2 pages.	
	26	Sony: Multi Channel AV Receiver Operating Instructions, 2007, 80 pages.	
	27	Sony: Multi Channel AV Receiver Operating Instructions for STR-DN1000, Copyright 2009, 136 pages.	
	28	Sony Shows Off Range of Home LANs, 15 December 2000, 1 page.	
	29	Sony: STR-DN1000, Audio Video Receiver, last updated August 2009, 2 pages.	
	30	Sony: Wireless Surround Kit Operating Instructions for WHAT-SA2, Copyright 2010, 56 pages.	
	31	Sound Blaster Wireless Music Network Setup, 28 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	32	Sound Blaster, Wireless Music. User's Guide: Creative Sound Blaster Wireless Music Version 1.0, August 2003, 66 pages.	
	33	Space.com. Tech Today: News about the latest gizmos and gadgets conveniently available on Earth, 14 February 2004, 2 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Squeezebox by Logitech. Owner's Guide, 2007, 32 pages. .	
	35	Squeezebox Duet Network Music System by Logitech. User Guide English (North America), 2008, 45 pages.	
	36	Squeezebox Network Music Player. Owner's Manual, Slim Devices, 2003, 22 pages.	
	37	Step-by-step P4 Connection. P4 Poster (without music), 5 pages [online], [retrieved on 2020-03-26]. Retrieved from the Internet URL: https://snarfed.org/p4_poster/index.html.	
	38	Steve Jobs introduces AirPort Express All Things D2 (2004) - YouTube available via https://www.youtube.com/watch?v=hq5_P90pOqo 3 pages, [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	39	Structured Media Components. Leviton Integrated Networks, last modified 10 April 2006, 28 pages.	
	40	Support. Manuals & Documentation. Micro Audio System MCW770/37. Philips. Copyright 2004-2020, 3 pages. [online], [retrieved on 2020-02-24]. Retrieved from the Internet URL: https://www.usa.philips.con/c-p/MCW770_37/-/support.	
	41	Synchronizing mp3 playback. 3 pages [online]. [retrieved on 2020-03-26]. Retrieved from the Internet URL: https://snarfed.org/synchronizing_mp3_playback.	
	42	TAYLOR, Marilou, "Long Island Sound," Audio Video Interiors, April 2000, 8 pages.	
	43	Technology. cd30 is developing products which implement NAVOS, allowing consumers to get better utility out of their home media libraries. 21 November 2003, 1 pages.	
	44	Teirikangas, Jussi. HAVi: Home Audio Video Interoperability. Helsinki University of Technology, 2001, 10 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Test Report No.: 23GE0067-HO-2. Appendix 1: Photographs of test setup, Conducted Emissions. 25 April 2003, 4 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	46	Thaler et al. Scalability and Synchronization in IEEE 1394-Based Content-Creation Networks. Audio Engineering Society Convention Paper 5461, 21-24 September 2001, 16 pages.	
	47	The Measurement of Conducted Spurious Emissions, Conducted Spurious Emissions Measurement, ADT No. 921020H02, 5 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	48	TOA Corporation, Digital Processor DP-0206 DACsys2000 Version 2.00 Software Instruction Manual, Copyright 2001, 67 pages.	
	49	TOA Electronics, Inc. DP-0206 Digital Signal Processor. DACsys 2000, 2001, 12 pages. .	
	50	Tom's Hardware Guide: Nachrichten. Nachrichten vom 10 Januar 2003, 3 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	NewsRoom, Sensible Sound, Goin' to a show-show, Surveying The Soundscape, 1 June 2003, 8 pages.	
	2	NewsRoom. Shaw, K., Cool Tools, 20 January 2003, 2 pages.	
	3	NewsRoom. Sheehan, W., More brains, less brawn. 1 September 2003, 3 pages.	
	4	NewsRoom. Sidener, J., Everett Roach, 14 July 2003, 2 pages.	
	5	NewsRoom. Sirius XM Companies Flood Cedia With New Products. Satellite Week. 15 September 2003, 2 pages.	
	6	NewsRoom. Slim Devices Introduces Slimserver, 18 November 2003, 2 pages.	
	7	NewsRoom. Slim Devices Introduces Slimserver. PR Newswire. 18 November 2003, 2 pages.	
	8	NewsRoom. Slim Devices Introduces Squeezebox, 18 November, 2003, 2 pages.	
	9	NewsRoom. SMC Sponsors Canada's First Combined 'LAN Event' for Gamers: DreamlanSMC, 15 January 2004, 2 pages.	
	10	NewsRoom. SMC Sponsors Canada's First Combined 'LAN Event' for Gamers: DreamlanSMC, 15 January 2004, 3 pages.	
	11	NewsRoom. SMC Sponsors Home by Design Showhouse/Connected by Design Tour, 6 January 2004, 3 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	NewsRoom. SMC Teams with Get Digital to Offer Free Music Conversion to Its Wireless Audio Adapter Users, 23 February 2004, 3 pages.	
	13	NewsRoom. SMC teams with Get Digital to offer free music conversion to wireless users, 29 March 2004, 1 page.	
	14	NewsRoom. SMC to Offer Home Entertainment Networking Bundle With New Intel Desktop Boards, 3 November, 2003, 3 pages.	
	15	NewsRoom. Sonic divide crumbles, 2001 WLNR 5430795. 5 September 2001, 3 pages.	
	16	NewsRoom. SOUND AND FURY THE LATEST IN VOLUME AND VIDEO AT SF HOME ENTERTAINMENT SHOW 6 June 2003, 3 pages.	
	17	NewsRoom. Sound Blaster Goes Wireless, 30 September 2003, 3 pages.	
	18	NewsRoom. St. Paul Pioneer Press, Guide To Better Giving You Know These People. Why Is It So Hard To Buy For Them? Maybe It's Not: Everyone Need Technology, From the Littlest Angel to the Most Resistant Grandparent, 24 November 2003, 6 pages.	
	19	NewsRoom. Sullivan, A., PluggedIn - Digital music migrates to the home stereo, 28 October 2003, 3 pages.	
	20	NewsRoom. Tech along, 25 January 2004, 3 pages.	
	21	NewsRoom. Technology Life in the iPad. 15 March 2007, 5 pages.	
	22	NewsRoom. Televisions defy hi-tech trend for minimalism, 19 February 2004, 3 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	NewsRoom. The 50 Best Music Systems, 13 December 2003, 15 pages.	
	24	NewsRoom. The Age (Australia), Fresh Gadgets, 2001 WLNR 13294645, 7 September 2001, 3 pages.	
	25	NewsRoom. The Dallas Morning News, Honorable mentions worth a look, 20 November 2003, 2 pages.	
	26	NewsRoom. The Dallas Morning News, Innovations Hasten Trend of On-the-Go Music, Video, Technology, 16 January 2003, 4 pages.	
	27	NewsRoom. The Dallas Morning News, Wireless Technology Focus of Consumer Electronics Show in Las Vegas, 9 January 2003, 4 pages.	
	28	NewsRoom, THE GOODS WHATS' NEW WHAT'S HOT, 9 November 2000, 2 pages.	
	29	NewsRoom. THE NEXT ACE IN THE HOLE? – Epson HP set the stage for promising alternatives to wired solutions in vertical markets, 14 January 2002, 3 pages.	
	30	NewsRoom. The Orange County Register, Holiday Season Brings Gift Ideas for Tech-Heads, Gadget Groupie, 8 December 2003, 4 pages.	
	31	NewsRoom. The personal computer shows its creative side. Technology has discovered its next "killer app." 14 August 2003, 3 pages.	
	32	NewsRoom. The top 25: computer shopper editors handpick this months best desktops notebooks digital audio receivers, handhelds, and software. 1 November 2003, 3 pages.	
	33	NewsRoom. The toys of summer: Some cool tools that will get you through the lazy days. 1 September 2003, 3 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	NewsRoom. The wide world of Wi-Fi: wherever you are, wireless networking is where it's at. Find out which Wi-Fi components will help you stay connected while... 1 May 2004, 7 pages.	
	35	NewsRoom. Ticker, 1 August 2003, 2 pages.	
	36	NewsRoom. Washington Post, Ask the Computer Guy, 11 January 2004, 2 pages.	
	37	NewsRoom. Yamaha Announces the Worlds First Wireless Home Music System. 11 August 2003, 2 pages.	
	38	NewsRoom. Yamaha Musiccast An easy way to spread music around your home. 1 December 2003, 2 pages.	
	39	NewsRoom.Slim Devices Introduces Squeezebox. PR Newswire. 18 November 2003, 2 pages.	
	40	"NexSys Software v.3 Manual," Crest Audio, Inc., 1997, 76 pages.	
	41	NIEDERST, JENNIFER "O'Reilly Web Design in a Nutshell," Second Edition, September 2001, 678 pages.	
	42	Niles SI-1230. Systems Integration Amplifier. Installation & Operation Guide, 2009, 32 pages.	
	43	Niles SI-1260. Systems Integration Amplifier. Installation & Operation Guide, 2000, 32 pages.	
	44	NILES SVL-4 Speaker Selection/Volume Control System Installation & Operation Guide. Copyright 1999. Sourced from Sonos, Inc. v. Lenbrook Industries Limited et al., Defendants' Answer to Plaintiff's Complaint - Exhibit C, filed October 14, 2019, 16 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	NILSSON, M., "ID3 Tag Version 2," March 26,1998, 28 pages.	
	46	Non-Final Office Action mailed 01 May 2014, issued in connection with U.S. Patent Application No. 14/184522, filed 19 February 2014, 31 pages.	
	47	Non-Final Office Action mailed 05 December 2013, issued in connection with U.S. Patent Application No. 13/827653, filed 14 March 2013, 28 pages.	
	48	Non-Final Office Action mailed 05 January 2012, issued in connection with U.S. Patent Application No. 13/298090, filed on 16 November 2011, 40 pages.	
	49	Non-Final Office Action mailed 06 May 2014, issued in connection with U.S. Paten Application No. 13/705176, filed 05 December 2012, 23 pages.	
	50	Non-Final Office Action mailed 07 September 2016, issued in connection with U.S. Patent Application No. 13/864248, filed 17 April 2013, 12 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	NewsRoom. Custom Home, Easy listening: the hard disk is shaping the future of home entertainment. (The Wired House)., 1 May 2003, 3 pages.	
	2	NewsRoom. D-Link to Supply Omnifi with Exclusive New Antenna for Streaming Audio Throughout the House, 8 January 2004, 3 pages.	
	3	NewsRoom. Easdown, R., System Heaven: Custom House Technofile, 24 November 2003, 5 pages.	
	4	NewsRoom. Electronic House Expo Announces 2005 Multi-Room Audio/Video Award Winners. 18 November 2005, 3 pages.	
	5	NewsRoom. Electronic House Expo Fall 2003 Exhibitor Profiles. Business Wire. 11 November 2003, 7 pages.	
	6	NewsRoom. Electronic House Expo Spring 2004 Exhibitor Profiles. Business Wire. 10 March 2004, 7 pages.	
	7	NewsRoom. Evangelista, B., SOUND AND FURY THE LATEST IN VOLUME AND VIDEO AT SF HOME ENTERTAINMENT SHOW, 6 June 2003, 3 pages.	
	8	NewsRoom. Fallon et al. THE GOODS, 31 July 2003, 2 pages.	
	9	NewsRoom. Future shocks - CONNECT: Your ultimate home-entertainment guide, 4 December 2003, 3 pages.	
	10	NewsRoom. Gracenote Powers New Music Devices for Home Audio, 8 January 2004, 3 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	11	NewsRoom. Greg, T., Rooms with a tune, 23 July 2003, 3 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	NewsRoom. Hoffman, A., Computer networks start entertaining, 1 June 2003, 3 pages.	
	13	NewsRoom. Home theater systems that are a real blast, NEW STRAITS. 6 January 2000, 3 pages.	
	14	NewsRoom. IDG's PC World Announces Winners of the 2004 World Class Awards, 2 June 2004, 3 pages.	
	15	NewsRoom. InfoComm 2004 Exhibitors Volume 7, Issue 5, 1 May 2004, 24 pages.	
	16	NewsRoom. International Herald Tribune, Transmitting media gets easier cheaply, 31 January 2004, 2 pages.	
	17	NewsRoom. Latest electronic gadgets unveiled in Las Vegas: Wireless Devices take centre stage, 13 January 2003, 4 pages.	
	18	NewsRoom. Linksys Extends Wireless Functionality to the Television, 14 July 2003, 3 pages.	
	19	NewsRoom. Linksys Ships Wireless-B Media Link for Streamlined Delivery of Music From PC to Stereo Stream MP3s, Play Lists and Internet Radio to Any Stereo With the Wireless-B Media Link for Music, 19 May 2004, 3 pages.	
	20	NewsRoom. Linksys Wireless Home Products Are Hot Tech Gifts for 2003, 24 November 2003, 3 pages.	
	21	NewsRoom. Living room expansion – The PC is going from word processor to entertainment hub for many households, 18 August 2003, 4 pages.	
	22	NewsRoom. Macy's Returns To Electronics With Home Theater Boutique, 11 August 2003, 2 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	NewsRoom. Many different ways to enjoy digital music library, 29 April, 2003, 3 pages.	
	24	NewsRoom. Marlowe, C., Pad gadgets: home is where the gear is. 20 October, 2003, 2 pages.	
	25	NewsRoom. Miller II, S. A., Technology gets simpler and smarter, 14 January 2003, 2 pages.	
	26	NewsRoom. Miller, M., Adapted for flight: hands-on trial: wireless media adapters send digital entertainment soaring from PC to living room. 18 September 2003, 3 pages.	
	27	NewsRoom. Miller, S., Creating Virtual Jukeboxes Gadgets Make Digital Music Portable. 19 August 2003, 3 pages.	
	28	NewsRoom. Morning Call, Cutting the cord; Wi-Fi networks connect computers, TVs, DVD players and more without a clutter of wires, 2 February 2003, 5 pages.	
	29	NewsRoom. Mossberg, W., PC-stored music sent without wires, 25 January 2004, 2 pages.	
	30	NewsRoom. Nadel, B., Beam music, images from PC to stereo, TV: Linksys Wireless-B Media Adapter WMA11B. 1 November 2003, 2 pages.	
	31	NewsRoom. Net Briefs, 21 July 2003, 2 pages.	
	32	NewsRoom. NetWork World, The Toys of Summer, 1 September 2003, 3 pages.	
	33	NewsRoom. Networked C300 Speaks Your Language. 6 April 2003, 3 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	NewsRoom. New Camera – Now What? It's easy to go wild printing, sharing your digital photos. 16 October, 2003, 2 pages.	
	35	NewsRoom. New Products Allow Easier Access to Audio Video on Home Computers, 9 November 2003, 3 pages.	
	36	NewsRoom. Newman, H., All-in-one Audio, Video Devices will be next big thing, 9 January 2003, 3 pages.	
	37	NewsRoom. Norris, A., Come over to my house. 23 January 2003, 3 pages.	
	38	NewsRoom. On The Printer Trail -- Ream of new SMB models offers channel a range of sales hooks CRN Test Center finds. 13 October 2003, 5 pages.	
	39	NewsRoom. One way to organize and weed Favorites, 8 May 2003, 3 pages.	
	40	NewsRoom, Outfitting your personal fortress of solitude, 14 March 2002, 4 pages.	
	41	NewsRoom. Philadelphia Inquirer, Wireless solution for stereo sound, 7 August 2003, 3 pages.	
	42	NewsRoom. Popular Science, Yamaha Musiccast An easy way to spread music around your home, 1 December 2003, 2 pages.	
	43	NewsRoom. PR Newswire, "Home Director Announces Availability of AudioPoint Receiver," 27 September 2002, 4 pages.	
	44	NewsRoom. Preview the New EZ-Stream Wireless Audio Adapter at CES January 8-11 2004 BridgeCo Booth 19629, 7 January 2004, 3 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	NewsRoom. Receiver Lets Stereo Join The Wi-Fi Band, 10 April, 2003, 2 pages.	
	46	NewsRoom. Rogers, P., SPEAKER SCREECH: THE END IS NEAR, 8 April 2003, 2 pages.	
	47	NewsRoom. San Jose Mercury News, Intel Fund To Invest In Digital Home, 7 January 2004, 2 pages.	
	48	NewsRoom. SCIENCE & TECHNOLOGY: Wired for sound and video, 14 January 2004, 3 pages.	
	49	NewsRoom, Sears reveals plans for new Eatons stores, 26 October 2000, 3 pages.	
	50	NewsRoom. Seattle Times, Inventions real stars of the show As speeches predict future 100,000 browse 'superstore', 13 January 2003, 4 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Sonos, Inc. v. D&M Holdings Inc. et al., Third Amended Complaint for Patent Infringement, filed January 29, 2016, 47 pages.	
	2	Sonos, Inc. v. D&M Holdings, Inc. (No. 14-1330-RGA), Defendants' Final Invalidity Contentions (Jan. 18, 2017) (106 pages).	
	3	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 226, Opinion Denying Inequitable Conduct Defenses, Feb. 6, 2017, updated, 5 pages.	
	4	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 242, US District Judge Andrews 101 Opinion, Mar. 13, 2017, 16 pages.	
	5	Sonos, Inc. v D&M Holdings, Sonos Supp Opening Markman Brief including Exhibits, 3 March 2017, 17 pages.	
	6	Sonos, Inc. v. D&M Holdings, Sonos Supp Reply Markman Brief including Exhibits, 29 March 2017, 36 pages.	
	7	Sonos, Inc. v. D&M Holdings Inc. et al., Declaration of Steven C. Visser, executed September 9, 2016, 40 pages.	
	8	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 1: Defendants' Invalidity Contentions for U.S. Patent No. 7,571,014 filed September 16, 2016, 270 pages.	
	9	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 10: Defendants' Invalidity Contentions for U.S. Patent No. 9,219,959 filed September 27, 2016, 236 pages.	
	10	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 11: Defendants' Invalidity Contentions for U.S. Design Patent No. D559,197 filed September 27, 2016, 52 pages.	
	11	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 2: Defendants' Invalidity Contentions for U.S. Patent No. 8,588,949 filed September 27, 2016, 224 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 3: Defendants' Invalidity Contentions for U.S. Patent No. 8,843,224 filed September 27, 2016, 147 pages.	
	13	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 4: Defendants' Invalidity Contentions for U.S. Patent No. 8,938,312 filed September 27, 2016, 229 pages.	
	14	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 5: Defendants' Invalidity Contentions for U.S. Patent No. 8,938,637 filed September 27, 2016, 213 pages.	
	15	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 6: Defendants' Invalidity Contentions for U.S. Patent No. 9,042,556 filed September 27, 2016, 162 pages.	
	16	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 7: Defendants' Invalidity Contentions for U.S. Patent No. 9,195,258 filed September 27, 2016, 418 pages.	
	17	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 8: Defendants' Invalidity Contentions for U.S. Patent No. 9,202,509 filed September 27, 2016, 331 pages.	
	18	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 9: Defendants' Invalidity Contentions for U.S. Patent No. 9,213,357 filed September 27, 2016, 251 pages.	
	19	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 1: Defendants' Invalidity Contentions for U.S. Patent No. 7,571,014 filed April 15, 2016, 161 pages.	
	20	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 10: Defendants' Invalidity Contentions for U.S. Patent No. 9,213,357 filed April 15, 2016, 244 pages.	
	21	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 11: Defendants' Invalidity Contentions for U.S. Patent No. 9,219,959 filed April 15, 2016, 172 pages.	
	22	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 12: Defendants' Invalidity Contentions for U.S. Design Patent No. D559,197 filed April 15, 2016, 36 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 2: Defendants' Invalidity Contentions for U.S. Patent No. 8,588,949 filed April 15, 2016, 112 pages.	
	24	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 3: Defendants' Invalidity Contentions for U.S. Patent No. 8,843,224 filed April 15, 2016, 118 pages.	
	25	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 4: Defendants' Invalidity Contentions for U.S. Patent No. 8,938,312 filed April 15, 2016, 217 pages.	
	26	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 5: Defendants' Invalidity Contentions for U.S. Patent No. 8,938,637 filed April 15, 2016, 177 pages.	
	27	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 6: Defendants' Invalidity Contentions for U.S. Patent No. 9,042,556 filed April 15, 2016, 86 pages.	
	28	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 7: Defendants' Invalidity Contentions for U.S. Patent No. 9,130,771 filed April 15, 2016, 203 pages.	
	29	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 8: Defendants' Invalidity Contentions for U.S. Patent No. 9,195,258 filed April 15, 2016, 400 pages.	
	30	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 9: Defendants' Invalidity Contentions for U.S. Patent No. 9,202,509 filed April 15, 2016, 163 pages.	
	31	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Preliminary Identification of Prior Art References, provided July 29, 2016, 5 pages.	
	32	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' Brief in Support of their Motion for Leave to Amend their Answer to Add the Defense of Inequitable Conduct, provided October 12, 2016, 24 pages.	
	33	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' Opposition to Sonos's Motion to Strike Defendants' New Amended Answer Submitted with their Reply, provided October 3, 2016, 15 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Sonos, Inc. v. D&M Holdings Inc. et al., Exhibit A: Defendants' Second Amended Answer to Plaintiffs' Third Amended Complaint, provided October 12, 2016, 43 pages.	
	35	Sonos, Inc. v. D&M Holdings Inc. et al., Exhibit B: Defendants' Second Amended Answer to Plaintiffs' Third Amended Complaint, provided October 12, 2016, 43 pages.	
	36	Sonos, Inc. v. D&M Holdings Inc. et al., Opening Brief in Support of Defendants' Motion for Leave to Amend Their Answer to Add the Defense of Inequitable Conduct, provided August 1, 2016, 11 pages.	
	37	Sonos, Inc. v. D&M Holdings Inc. et al., Order, provided October 7, 2016, 2 pages.	
	38	Sonos, Inc. v. D&M Holdings Inc. et al., Plaintiff's Opposition to Defendants' Motion for Leave to Amend Their Answer to Add the Defense of Inequitable Conduct, provided August 26, 2016, 25 pages.	
	39	Sonos, Inc. v. D&M Holdings Inc. et al., Redlined Exhibit B: Defendants' First Amended Answer to Plaintiffs' Third Amended Complaint, provided August 1, 2016, 27 pages.	
	40	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 206-1, Transcript of 101 Hearing (Nov. 28, 2016) (28 pages).	
	41	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 207, PUBLIC Joint Claim Construction Brief (Nov. 30, 2016) (88 pages).	
	42	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 214, D&M Post-Markman Letter (Dec. 22, 2016) (13 pages).	
	43	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 215, Sonos Post-Markman Letter (Dec. 22, 2016) (15 pages).	
	44	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 219, Claim Construction Opinion (Jan. 12, 2017) (24 pages).	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 221, Claim Construction Order (Jan. 18 2017) (2 pages).	
	46	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), Markman Hearing Transcript (Dec. 14, 2016) (69 pages).	
	47	Sonos, Inc. v. Google LLC, Appendix A to Respondents' Response to the Complaint and Notice of Investigation, filed February 27, 2020, 2 pages. .	
	48	Sonos, Inc. v. Google LLC, Appendix B to Respondents' Response to the Complaint and Notice of Investigation, filed February 27, 2020, 176 pages. .	
	49	Sonos, Inc. v. Google LLC. Order 20: Construing the Terms of the Asserted Claims of the Patents at Issue dated 25 September 2020, 53 pages.	
	50	Sonos, Inc. v. Google LLC. Respondents' Final Invalidity Claims Charts for US Patent 10,439,896, Exhibits 1-13, 15-16, and B, 1324 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Notice of Allowance mailed on 26 August 2019, issued in connection with U.S. Patent Application No. 16/298,542, filed on 11 March 2019, 8 pages.	
	2	Notice of Allowance mailed on 27 April 2015, issued in connection with U.S. Patent Application No. 13/932864, filed on 01 July 2013, 20 pages.	
	3	Notice of Allowance mailed on 27 August 2015, issued in connection with U.S. Patent Application No. 13/705177, filed on 05 December 2012, 34 pages.	
	4	Notice of Allowance mailed on 27 August 2015, issued in connection with U.S. Patent Application No. 14/505027, filed on 02 October 2014, 18 pages.	
	5	Notice of Allowance mailed on 27 December 2011, issued in connection with U.S. Patent Application No. 10/816217, filed 01 April 2004, 15 pages.	
	6	Notice of Allowance mailed on 27 March 2017, issued in connection with U.S. Patent Application No. 15/089758, filed on 04 April 2016, 7 pages.	
	7	Notice of Allowance mailed on 28 July 2020, issued in connection with U.S. Patent Application No. 15/091113, filed on 5 April 2016, 8 pages.	
	8	Notice of Allowance mailed on 28 March 2017, issued in connection with U.S. Patent Application No. 15/088906, filed on 01 April 2016, 7 pages.	
	9	Notice of Allowance mailed on 28 March 2017, issued in connection with U.S. Patent Application No. 15/155149, filed on 16 May 2016, 7 pages.	
	10	Notice of Allowance mailed on 28 November 2017, issued in connection with U.S. Patent Application No. 15/091014, filed on 05 April 2016, 8 pages.	
	11	Notice of Allowance mailed on 29 April 2015, issued in connection with U.S. Patent Application No. 13/863083, filed on 15 April 2013, 19 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Notice of Allowance mailed on 29 July 2015, issued in connection with U.S. Patent Application No. 13/359976, filed on 27 January 2012, 28 pages.	
	13	Notice of Allowance mailed on 29 July 2015, issued in connection with U.S. Patent Application No. 14/186850, filed on 21 February 2014, 9 pages.	
	14	Notice of Allowance mailed on 29 March 2017, issued in connection with U.S. Patent Application No. 14/803953, filed on 20 July 2015, 8 pages.	
	15	Notice of Allowance mailed on 3 April 2017, issued in connection with U.S. Patent Application No. 15/088678, filed on 1 April 2016, 8 pages.	
	16	Notice of Allowance mailed on 30 August 2016, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 7 pages.	
	17	Notice of Allowance mailed on 30 July 2015, issued in connection with U.S. Patent Application No. 13/705178, filed on05 December 2012, 18 pages.	
	18	Notice of Allowance mailed on 30 March 2017, issued in connection with U.S. Patent Application No. 15/088532, filed on 01 April 2016, 7 pages.	
	19	Notice of Allowance mailed on 30 September 2020, issued in connection with U.S. Patent Application No. 16/746294, filed on 17 January 2020, 9 pages.	
	20	Notice of Allowance mailed on 5 August 2015, issued in connection with U.S. Patent Application No. 13/435776, filed on 30 March 2012, 26 pages.	
	21	Notice of Allowance mailed on 6 April 2017, issued in connection with U.S. Patent Application No. 15/088283, filed on 1 April 2016, 7 pages.	
	22	Notice of Allowance mailed on 6 July 2015, issued in connection with U.S. Patent Application No. 13/297000, filed on 15 November 2011, 24 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Notice of Incomplete Re-Exam Request mailed on 25 May 2017, issued in connection with U.S. Patent Application No. 90/013959 , filed on 01 April 2016, 10 pages.	
	24	Notice of Intent to Issue Re-Examination Certificate mailed on 03 August 2017, issued in connection with U.S. Patent Application No. 90/013882, filed on 27 December 2016, 20 pages.	
	25	NUTZEL et al., "Sharing Systems for Future HiFi Systems," IEEE, 2004, 9 pages.	
	26	OET Exhibits List, Federal Communications Commission, Office of Engineering and Technology, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	27	Office Action in Ex Parte Reexamination mailed on 20 October 2017, issued in connection with U.S. Patent Reexamination Application No. 90/013959, filed on 16 June 2017, 50 pages.	
	28	Olenick, Doug. Networked MP3 Player Lineup Bows From cd3o. 9 January 2003, 6 pages.	
	29	Olenick, Doug. Twice, Networked MP3 Player Lineup Bows from cd3o, 9 January 2003, 2 pages.	
	30	Omnifi A Simple Media Experience. DMSI User Manual, July 2003 36 pages.	
	31	Omnifi DMS1 Wi-Fi Media Receiver Page 2, Sound & Vision, Copyright 2020, 7 pages.	
	32	Omnifi DMS1 Wi-Fi Media Receiver Page 3, Sound & Vision, Copyright 2020, 5 pages.	
	33	"Sonos Multi-Room Music System User Guide," Version 090401, Sonos, Inc. 1 April 2009, 256 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Operational Description, FCC ID: IXMWAA-B-AGB-01, ADT No. 921020H02, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	35	P4 0.3.1 software/source code available via link ("Download P4 0.3.1.") 1 page [online]. [retrieved on 2020-03-26]. Retrieved from the Internet URL: http://snarfed.org/p4.	
	36	p4sync/player.cpp. GitHub. Copyright 2005, 4 pages [online], [retrieved on 2020-03-26]. Retrieved from the Internet URL: http://github.com/snarfed/p4sync/blob/master/player.cpp.	
	37	Palm, Inc., "Handbook for the Palm VII Handheld," May 2000, 311 pages.	
	38	Parasound Zpre2 Zone Preamplifier with PTZI Remote Control, 2005, 16 pages.	
	39	PARK et al., "Group Synchronization in MultiCast Media Communications," Proceedings of the 5th Research on Multicast Technology Workshop, 2003, 5 pages.	
	40	Parrot - All Products - Bluetooth Hands Free Car Kits, 21 October 2008, 3 pages.	
	41	Parrot DS1120 - Wireless Hi-Fi Stereo Sound System, 22 November 2008, 3 pages .	
	42	Parrot DS1120 User Guide, English. Retrieved on 2020-03-26, 11 pages.	
	43	Parrot DS1120 User Manual, 2007, 22 pages.	
	44	Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications. ANSI/IEEE Std 802.11, 1999 Edition, 528 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	PASCOE, Bob, "Salutation Architectures and the newly defined service discovery protocols from Microsoft® and Sun®," Salutation Consortium, White Paper, June 6, 1999, 5 pages.	
	46	Philips. Installation CD Content, software/ source code available via zip file ("Installation CD Content") published September 15, 2004, 3 pages [online], [retrieved on 2020-02-24]. Retrieved from the Internet URL : https://www.usa.philips.com/c-p/MCW770_37/-/support.	
	47	Philips Leads Consumer Electronics Industry with 21 CES Innovation Awards. Business Wire. 2004 International CES, 6 January 2004, 3 pages. .	
	48	Philips. MC W7708. Wireless PC Link Quick Installation. Published December 22, 2004, 8 pages. .	
	49	Philips. MCW770 Leaflet. Remote Control MP3 Music from Your PC…Wirelessly. MP3 Micro Hi-Fi System with 5 CD Tray Changer. Published March 2, 2004, 2 pages. .	
	50	Philips. MCW770 Quick Use Guide. English version. Published December 22, 2004, 4 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Trask, Simon. NewsRoom, Pro Sound News Europe, Bluetooth to drive wireless speakers, Volume 18; Issue 6, 1 June 2003, 2 pages.	
	2	Truong and Vannuccini. The IEEE 802.11e MAC for Quality of Service in Wireless LANs. IBM Research, Zurich Research Library, 6 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	3	Tsai et al. SIM-based Subscriber Authentication for Wireless Local Area Networks, 2003, 6 pages.	
	4	UL An Affiliate of Underwriters Laboratories Inc. FCC ID: A6RMCX1000A 19 May 2003, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	5	UL Apex Co., Ltd. EMI Test Report, Test Report No.: 23GE0067-HO-2, Yamaha Digital Audio Server MCX-1000, 25 April 2003, 54 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	6	Understanding Universal Plug and Play, Microsoft White Paper (June 2000) (D+M_0402074-118) (45 pages).	
	7	UNITED STATES PATENT AND TRADEMARK OFFICE, U.S. Provisional Application No. 60/378,415 filed on 06 May 2002, entitled "Localized Audio Networks and Assoiciated Digital Accessories," 33 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	8	UNITED STATES PATENT AND TRADEMARK OFFICE, U.S. Provisional Application No. 60/379,313 filed on 09 May 2002, entitled "Audio Network Distribution System," 50 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	9	UNITED STATES PATENT AND TRADEMARK OFFICE, U.S. Provisional Application No. 60/388,887 filed on 14 June 2002, entitled "Localized Audio Networks and Associated Digital Accessories," 42 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	10	UNITED STATES PATENT AND TRADEMARK OFFICE, U.S. Provisional Application No. 60/452,230 filed on 4 March 2003, entitled "Localized Audio Networks and Associated Digital Accessories," 104 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	11	UNITED STATES PATENT AND TRADEMARK OFFICE, U.S. Provisional Application No. 60/490,768 filed on 28 July 2003, entitled "Method for synchronizing audio playback between multiple networked devices," 13 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	UNITED STATES PATENT AND TRADEMARK OFFICE, U.S. Provisional Application No. 60/825,407 filed on 12 September 2006, entitled "Controlling and manipulating groupings in a multi-zone music or media system," 82 pages.	
	13	Universal Plug and Play Device Architecture V. 1.0, (June 8, 2000) (54 pages).	
	14	Universal Plug and Play in Windows XP, Tom Fout. Microsoft Corporation (July 2001) (D+M_0402041-73) (33 pages).	
	15	Universal Plug and Play ("UPnP") AV Architecture:1 For UPnP, Version 1.0, (June 25, 2002) (D+M_0298151-72) (22 pages).	
	16	Universal Plug and Play Vendor's Implementation Guide (January 5, 2000) (7 pages).	
	17	Universal Scientific Industrial Co., Ltd., FCC ID: IXMWAA-B-AGB-01, Federal Communications Commission, Confidentiality Request, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	18	Universal Scientific Industrial Co., Ltd., ID Label for USI WAA, USI WAA-B-AGB-01, FCC ID: IXMWAA-B-AGB-01, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	19	Universal Scientific Industrial Co., Ltd., Label Location, USI WAA-B-AGB-01, FCC ID: IXMWAA-B-AGB-01, 30 October 2003, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	20	Universal Scientific Industrial Co., Ltd., Power of Attorney, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	21	Universal Serial Bus Specification Revision 2.0 April 27, 2000, 650 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	22	"UPnP and Sonos Questions," Sonos Community, December 2006, 5 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	UPnP AV Architecture:0.83 For UPnP Version 1.0, 12 June 2002, copyright 2000, 22 pages. .	
	24	UPnP AV Architecture:0.83 (June 12, 2002) (SONDM000115483-504) (22 pages).	
	25	UPnP Design by Example, A Software Developers Guide to Universal Plug and Play Michael Jeronimo and JackWeast, Intel Press (D+M_0401307-818) (April 2003) (511 pages).	
	26	UPnP Forum. UPnP Device Architecture 1.0. October 15, 2008, 80 pages.	
	27	UPnP; "Universal Plug and Play Device Architecture," 08 June 2000; version 1.0; Microsoft Corporation; pp 1-54.	
	28	Urien et al. EAP-TLS Smartcards, from Dream to Reality, 4th Workshop on Applications and Services in Wireless Networks, 9 August 2004, 19 pages.	
	29	Valtchev et al. In Home Networking, Service Gateway Architecture for a Smart Home, April 2002, 7 pages.	
	30	WANCommonInterfaceConfig:1 Service Template Version 1.01 For UPnP, Ver. 1.0 (November 12, 2001) (D +M_0401820-43) (24 pages).	
	31	WANIPConnection:1 Service Template Version 1.01 For UPnP Ver. 1.0 (November 12, 2001) (D+M_0401844-917) (74 pages).	
	32	WANPPPConnection:1 Service Template Version 1.01 For UPnP, Version 1.0 (November 12, 2001) (D +M_0401918-2006) (89 pages).	
	33	WaveLan High-Speed Multimode Chip Set, AVAGO0003, Agere Systems, February 2003, 4 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	WaveLan High-Speed Multimode Chip Set, AVAGO0005, Agere Systems, February 2003, 4 pages.	
	35	WaveLAN Wireless Integration Developer Kit (WI-DK) for Access Point Developers, AVAGO0054, Agere Systems, July 2003, 2 pages.	
	36	WaveLAN Wireless Integration-Developer Kit (WI-DK) Hardware Control Function (HCF), AVAGO0052, Agere Systems, July 2003, 2 pages.	
	37	"Welcome. You're watching Apple TV." Apple TV 1st Generation Setup Guide, 8 April 2008 http://manuals.info.apple.com/MANUALS/0/MA403/en_US/AppleTV_SetupGuide.pdf Retrieved 10/14/14, 40 pages.	
	38	"Welcome. You're watching Apple TV." Apple TV 2nd Generation Setup Guide, 10 March 2011 Retrieved 10/16/14, 36 pages.	
	39	"Welcome. You're watching Apple TV." Apple TV 3rd Generation Setup Guide, 16 March 2012 Retrieved 10/16/14, 36 pages.	
	40	Weverka et al. Windows XP Gigabook for Dummies. Wiley Publishing, Inc. 2004, 915 pages.	
	41	WI-DK Release 2 WaveLan Embedded Drivers for VxWorks and Linux, AVAGO0056, Agere Systems, July 2003, 2 pages.	
	42	WI-DK Release 2 WaveLan END Reference Driver for VxWorks, AVAGO0044, Agere Systems, July 2003, 4 pages.	
	43	WI-DK Release 2 WaveLan LKM Reference Drivers for Linux, AVAGO0048, Agere Systems, July 2003, 4 pages.	
	44	Wi-Fi Alliance. Wi-Fi Protected Setup Specification, Version 1.0h, December 2006, 110 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Wildstrom, Stephen. At CES, Cool Tech Still Rules. BusinessWeek Online, 13 January 2003, 3 pages.	
	46	Wilkins, N., SMC SMCWMR-AG EZ-Stream (wireless) review. CNET, 8 February 2004, 3 pages.	
	47	Wilkins, N., SMC SMCWMR-AG EZ-Stream (wireless) review. CNET, 8 February 2004, 5 pages.	
	48	Williams, A. Zero Configuration Networking. Requirements for Automatic Configuration of IP Hosts, 19 September 2002, 19 pages.	
	49	Williams, Stephen. NewsRoom, Going Wireless, 21 October 2003, 2 pages.	
	50	Williams, Stephen. NewsRoom, Newsday, As Wireless Evolves, Compatibility is Key, 21 July 2003, 3 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Non-final Office Action mailed 10 April 2013, issued in connection with U.S. Patent Application No. 13/619237, filed 14 September 2012, 10 pages.	
	2	Non-Final Office Action mailed 12 May 2014, issued in connection with U.S. Patent Application No. 14/184528, filed 19 February 2014, 23 pages.	
	3	Non-Final Office Action mailed 14 May 2014, issued in connection with U.S. Patent Application No. 13/848932, filed 22 March 2013, 14 pages.	
	4	Non-Final Office Action mailed 17 June 2014, issued in connection with U.S. Patent Application No. 14/176808, filed 10 February 2014, 6 pages.	
	5	Non-Final Office Action mailed 18 December 2013, issued in connection with U.S. Patent Application No. 13/907666, filed 31 May 2013, 12 pages.	
	6	Non-Final Office Action mailed 18 January 2008, issued in connection with U.S. Patent Application No. 10/816217, filed 01 April 2004, 38 pages.	
	7	Non-Final Office Action mailed 19 April 2010, issued in connection with U.S. Patent Application No. 11/801468, filed 09 May 2007, 16 pages.	
	8	Non-Final Office Action mailed 19 March 2013, issued in connection with U.S. Patent Application No. 13/724048, filed 21 December 2012, 9 pages.	
	9	Non-Final Office Action mailed 21 June 2011, issued in connection with U.S. Patent Application No. 10/816217, filed 01 April 2004, 13 pages.	
	10	Non-Final Office Action mailed 22 January 2009, issued in connection with U.S. Patent Application No. 10/816217, filed 01 April 2004, 18 pages.	
	11	Non-Final Office Action mailed 25 July 2014, issued in connection with U.S. Patent Application No. 14/184526, filed 19 February 2014, 9 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Non-Final Office Action mailed 25 July 2014, issued in connection with U.S. Patent Application No. 14/184935, filed 20 February 2014, 11 pages.	
	13	Non-Final Office Action mailed 25 June 2010, issued in connection with U.S. Patent Application No. 10/816217, filed 01 April 2004, 17 pages.	
	14	Non-Final Office Action mailed 25 November 2013, issued in connection with U.S. Patent Application No. 13/533105, filed 26 June 2012, 19 pages.	
	15	Non-Final Office Action mailed 27 May 2014, issued in connection with U.S. Patent Application No. 14/186850, filed 21 February 2014, 13 pages.	
	16	Non-Final Office Action mailed 29 February 2012, issued in connection with U.S. Patent Application No. 13/297000, filed on 15 November 2011, 10 pages.	
	17	Non-Final Office Action mailed 29 November 2010, issued in connection with U.S. Patent Application No. 11/801468, filed on 09 May 2007, 17 pages.	
	18	Non-Final Office Action mailed 30 July 2013 issued in connection with U.S. Patent Application No. 13/724048, filed on 21 December 2012, 7 pages.	
	19	Non-Final Office Action mailed 31 July 2014, issued in connection with U.S. Patent Application No.13/533105, filed on 26 June 2012, 31 pages.	
	20	Non-Final Office Action mailed on 01 December 2014, issued in connection with U.S. Patent Application No. 14/516867, filed on 17 October 2014, 11 pages.	
	21	Non-Final Office Action mailed on 01 June 2016, issued in connection with U.S. Patent Application No. 14/184522, filed on 19 February 2014, 21 pages.	
	22	Non-Final Office Action mailed on 01 September 2010, issued in connection with U.S. Patent Application No. 11/147116, filed 06 June 2005, 36 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Non-Final Office Action mailed on 02 November 2016, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 37 pages.	
	24	Non-Final Office Action mailed on 03 February 2009, issued in connection with U.S. Patent Application No. 11/147116, filed on 06 June 2005, 32 pages.	
	25	Non-Final Office Action mailed on 03 January 2017, issued in connection with U.S. Patent Application No. 14/808875, filed on 24 July 2015, 10 pages.	
	26	Non-Final Office Action mailed on 03 June 2015, issued in connection with U.S. Patent Application No. 14/564544, filed on 09 December 2014, 7 pages.	
	27	Non-Final Office Action mailed on 03 November 2016, issued in connection with U.S. Patent Application No. 14/184528, filed on 19 February 2014, 17 pages.	
	28	Non-Final Office Action mailed on 03 October 2014, issued in connection with U.S. Patent Application No. 13/863083, filed on 15 April 2013, 22 pages.	
	29	Non-Final Office Action mailed on 04 June 2015, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 16 pages.	
	30	Non-Final Office Action mailed on 04 March 2015, issued in connection with U.S. Patent Application No. 13/435776, filed on 30 March 2012, 16 pages.	
	31	Non-Final Office Action mailed on 04 October 2016, issued in connection with U.S. Patent Application No. 15/089758, filed on 04 April 2016, 9 pages.	
	32	Non-Final Office Action mailed on 04 September 2019, issued in connection with U.S. Patent Application No. 15/091113, filed on 5 April 2016, 23 pages.	
	33	Non-Final Office Action mailed on 05 October 2016, issued in connection with U.S. Patent Application No. 13/864250, filed on 17 April 2013, 10 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Non-Final Office Action mailed on 05 October 2016, issued in connection with U.S. Patent Application No. 13/864252, filed on 17 April 2013, 11 pages.	
	35	Non-Final Office Action mailed on 06 October 2016, issued in connection with U.S. Patent Application No. 15/088678, filed on 01 April 2016, 9 pages.	
	36	Non-Final Office Action mailed on 07 July 2015, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 22 pages.	
	37	Non-Final Office Action mailed on 07 November 2011, issued in connection with U.S. Patent Application No. 11/147116, filed 06 June 2005, 48 pages.	
	38	Non-Final Office Action mailed on 07 October 2016, issued in connection with U.S. Patent Application No. 15/156392, filed on 17 May 2016, 8 pages.	
	39	Non-Final Office Action mailed on 08 March 2016, issued in connection with U.S. Patent Application No. 13/848921, filed on 22 March 2013, 13 pages.	
	40	Non-Final Office Action mailed on 09 August 2016, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 31 pages.	
	41	Non-Final Office Action mailed on 10 April 2017, issued in connection with U.S. Patent Application No. 13/871785, filed on 26 April 2013, 10 pages.	
	42	Non-Final Office Action mailed on 10 March 2011, issued in connection with U.S. Patent Application No. 12/035112, filed on 21 February 2008, 12 pages.	
	43	Non-Final Office Action mailed on 10 May 2016, issued in connection with U.S. Patent Application No. 14/504812, filed 02 October 2014, 22 pages.	
	44	Non-Final Office Action mailed on 10 November 2016, issued in connection with U.S. Patent Application No. 15/243355, filed on 22 August 2016, 11 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Non-Final Office Action mailed on 11 July 2017, issued in connection with U.S. Patent Application No. 13/848921, filed on 22 March 2013, 10 pages.	
	46	Non-Final Office Action mailed on 12 January 2017, issued in connection with U.S. Patent Application No. 13/895076, filed on 15 May 2013, 10 pages.	
	47	Non-Final Office Action mailed on 12 June 2015, issued in connection with U.S. Patent Application No. 13/848932, filed on 22 March 2013, 16 pages.	
	48	Non-Final Office Action mailed on 12 March 2015, issued in connection with U.S. Patent Application No. 13/705174, filed on 05 December 2012, 13 pages.	
	49	Non-Final Office Action mailed on 13 January 2016, issued in connection with U.S. Patent Application No. 14/184528, filed on 19 February 2014, 14 pages.	
	50	Non-Final Office Action mailed on 13 March 2015, issued in connection with U.S. Patent Application No. 13/705177, filed 05 December 2012, 15 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Notice of Allowance mailed on 26 August 2019, issued in connection with U.S. Patent Application No. 16/298,542, filed on 11 March 2019, 8 pages.	
	2	Notice of Allowance mailed on 27 April 2015, issued in connection with U.S. Patent Application No. 13/932864, filed on 01 July 2013, 20 pages.	
	3	Notice of Allowance mailed on 27 August 2015, issued in connection with U.S. Patent Application No. 13/705177, filed on 05 December 2012, 34 pages.	
	4	Notice of Allowance mailed on 27 August 2015, issued in connection with U.S. Patent Application No. 14/505027, filed on 02 October 2014, 18 pages.	
	5	Notice of Allowance mailed on 27 December 2011, issued in connection with U.S. Patent Application No. 10/816217, filed 01 April 2004, 15 pages.	
	6	Notice of Allowance mailed on 27 March 2017, issued in connection with U.S. Patent Application No. 15/089758, filed on 04 April 2016, 7 pages.	
	7	Notice of Allowance mailed on 28 July 2020, issued in connection with U.S. Patent Application No. 15/091113, filed on 5 April 2016, 8 pages.	
	8	Notice of Allowance mailed on 28 March 2017, issued in connection with U.S. Patent Application No. 15/088906, filed on 01 April 2016, 7 pages.	
	9	Notice of Allowance mailed on 28 March 2017, issued in connection with U.S. Patent Application No. 15/155149, filed on 16 May 2016, 7 pages.	
	10	Notice of Allowance mailed on 28 November 2017, issued in connection with U.S. Patent Application No. 15/091014, filed on 05 April 2016, 8 pages.	
	11	Notice of Allowance mailed on 29 April 2015, issued in connection with U.S. Patent Application No. 13/863083, filed on 15 April 2013, 19 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Notice of Allowance mailed on 29 July 2015, issued in connection with U.S. Patent Application No. 13/359976, filed on 27 January 2012, 28 pages.	
	13	Notice of Allowance mailed on 29 July 2015, issued in connection with U.S. Patent Application No. 14/186850, filed on 21 February 2014, 9 pages.	
	14	Notice of Allowance mailed on 29 March 2017, issued in connection with U.S. Patent Application No. 14/803953, filed on 20 July 2015, 8 pages.	
	15	Notice of Allowance mailed on 3 April 2017, issued in connection with U.S. Patent Application No. 15/088678, filed on 1 April 2016, 8 pages.	
	16	Notice of Allowance mailed on 30 August 2016, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 7 pages.	
	17	Notice of Allowance mailed on 30 July 2015, issued in connection with U.S. Patent Application No. 13/705178, filed on05 December 2012, 18 pages.	
	18	Notice of Allowance mailed on 30 March 2017, issued in connection with U.S. Patent Application No. 15/088532, filed on 01 April 2016, 7 pages.	
	19	Notice of Allowance mailed on 30 September 2020, issued in connection with U.S. Patent Application No. 16/746294, filed on 17 January 2020, 9 pages.	
	20	Notice of Allowance mailed on 5 August 2015, issued in connection with U.S. Patent Application No. 13/435776, filed on 30 March 2012, 26 pages.	
	21	Notice of Allowance mailed on 6 April 2017, issued in connection with U.S. Patent Application No. 15/088283, filed on 1 April 2016, 7 pages.	
	22	Notice of Allowance mailed on 6 July 2015, issued in connection with U.S. Patent Application No. 13/297000, filed on 15 November 2011, 24 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Notice of Incomplete Re-Exam Request mailed on 25 May 2017, issued in connection with U.S. Patent Application No. 90/013959 , filed on 01 April 2016, 10 pages.	
	24	Notice of Intent to Issue Re-Examination Certificate mailed on 03 August 2017, issued in connection with U.S. Patent Application No. 90/013882, filed on 27 December 2016, 20 pages.	
	25	NUTZEL et al., "Sharing Systems for Future HiFi Systems," IEEE, 2004, 9 pages.	
	26	OET Exhibits List, Federal Communications Commission, Office of Engineering and Technology, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	27	Office Action in Ex Parte Reexamination mailed on 20 October 2017, issued in connection with U.S. Patent Reexamination Application No. 90/013959, filed on 16 June 2017, 50 pages.	
	28	Olenick, Doug. Networked MP3 Player Lineup Bows From cd3o. 9 January 2003, 6 pages.	
	29	Olenick, Doug. Twice, Networked MP3 Player Lineup Bows from cd3o, 9 January 2003, 2 pages.	
	30	Omnifi A Simple Media Experience. DMSI User Manual, July 2003 36 pages.	
	31	Omnifi DMS1 Wi-Fi Media Receiver Page 2, Sound & Vision, Copyright 2020, 7 pages.	
	32	Omnifi DMS1 Wi-Fi Media Receiver Page 3, Sound & Vision, Copyright 2020, 5 pages.	
	33	"Sonos Multi-Room Music System User Guide," Version 090401, Sonos, Inc. 1 April 2009, 256 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Operational Description, FCC ID: IXMWAA-B-AGB-01, ADT No. 921020H02, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	35	P4 0.3.1 software/source code available via link ("Download P4 0.3.1.") 1 page [online]. [retrieved on 2020-03-26]. Retrieved from the Internet URL: http://snarfed.org/p4.	
	36	p4sync/player.cpp. GitHub. Copyright 2005, 4 pages [online], [retrieved on 2020-03-26]. Retrieved from the Internet URL: http://github.com/snarfed/p4sync/blob/master/player.cpp.	
	37	Palm, Inc., "Handbook for the Palm VII Handheld," May 2000, 311 pages.	
	38	Parasound Zpre2 Zone Preamplifier with PTZI Remote Control, 2005, 16 pages.	
	39	PARK et al., "Group Synchronization in MultiCast Media Communications," Proceedings of the 5th Research on Multicast Technology Workshop, 2003, 5 pages.	
	40	Parrot - All Products - Bluetooth Hands Free Car Kits, 21 October 2008, 3 pages.	
	41	Parrot DS1120 - Wireless Hi-Fi Stereo Sound System, 22 November 2008, 3 pages .	
	42	Parrot DS1120 User Guide, English. Retrieved on 2020-03-26, 11 pages.	
	43	Parrot DS1120 User Manual, 2007, 22 pages.	
	44	Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications. ANSI/IEEE Std 802.11, 1999 Edition, 528 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	PASCOE, Bob, "Salutation Architectures and the newly defined service discovery protocols from Microsoft® and Sun®," Salutation Consortium, White Paper, June 6, 1999, 5 pages.	
	46	Philips. Installation CD Content, software/ source code available via zip file ("Installation CD Content") published September 15, 2004, 3 pages [online], [retrieved on 2020-02-24]. Retrieved from the Internet URL : https://www.usa.philips.com/c-p/MCW770_37/-/support.	
	47	Philips Leads Consumer Electronics Industry with 21 CES Innovation Awards. Business Wire. 2004 International CES, 6 January 2004, 3 pages. .	
	48	Philips. MC W7708. Wireless PC Link Quick Installation. Published December 22, 2004, 8 pages. .	
	49	Philips. MCW770 Leaflet. Remote Control MP3 Music from Your PC…Wirelessly. MP3 Micro Hi-Fi System with 5 CD Tray Changer. Published March 2, 2004, 2 pages. .	
	50	Philips. MCW770 Quick Use Guide. English version. Published December 22, 2004, 4 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Windows Media Connect Device Compatibility Specification (April 12, 2004) (16 pages).	
	2	Windows XP: The Complete Reference - Chapter 19 Working with Sound, 6 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	3	Wired. Total Remote Control, Issue 11.06, June 2003, 2 pages.	
	4	Wireless Home Audio Director. Wireless N Music Player with Integrated Amplifier DMC250. Datasheet. Linksys by Cisco. Fill Your Home with Music, 2008, 2 pages. .	
	5	Wireless Music Console Network Setup, 8 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	6	Wireless USB Adapter 11g CPWUA054, CPWUA054|00, CPWUA054|37, User Manual, Version: 1.0, December 2003, 29 pages.	
	7	WPA Reauthentication Rates, AVAGO0063, Agere Systems, February 2004, 3 pages.	
	8	Yahoo Finance. BridgeCo Successfully Commercializes its BeBoB Application for the Music Industry: Four Manufacturers Demonstrate BeBoB-enabled Products at NAMM 2004. 16 January 2004, 3 pages.	
	9	Yahoo Groups. Exstreamer. Barix Exstreamer. Access via Wayback Machine http://groups.yahoo.com/group/exstreamer/ December 22, 2013, 1 page. .	
	10	Yamaha Corporation. Declaration of Dedicated RF card requirement to American Telecommunications Certification Body, Inc. 16 May 2003, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	11	YAMAHA CORPORATION. Internal Photo, FCC ID: A6RMCX1000A, 5 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Yamaha Corporation. Letter of Agency to American Telecommunications Certification Body, Inc. 10 April 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	13	YAMAHA CORPORATION. RF Exposure Statement No. 23GE0067-HO-2, Digital Audio Server, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	14	Yamaha. Digital Audio Server, MCX-1000, Owner's Manual, 1996-2002, 148 pages.	
	15	Yamaha DME 32 manual: copyright 2001.	
	16	Yamaha DME 64 Owner's Manual; copyright 2004, 80 pages.	
	17	Yamaha DME Designer 3.0 Owner's Manual; Copyright 2008, 501 pages.	
	18	Yamaha DME Designer 3.5 setup manual guide; copyright 2004, 16 pages.	
	19	Yamaha DME Designer 3.5 User Manual; Copyright 2004, 507 pages.	
	20	Yamaha DME Designer software manual: Copyright 2004, 482 pages.	
	21	Yamaha. Manufacturer's Letter 10 April 2003, 2 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	22	Yamaha MCX-1000 FCC ID: ABFIMCX10000A, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Yamaha MusicCAST Digital Audio Server MCX-1000 Owner's Manual, Copyright 1996-2002, 148 pages.	
	24	Yamaha, MusicCAST: Digital Audio Terminal MCX-A10, Owner's Manual. 4 June 2003, 76 pages.	
	25	Yamaha Personal Receiver RP-U200 Operation Manual ("Operation Manual"), Copyright 1992-1997, 57 pages.	
	26	Yamaha. Request for Confidentiality. 10 April 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	27	"Symantec pcAnywhere User's Guide," v 10.5.1, 1995-2002, 154 pages.	
	28	"Systemline Modular Installation Guide, Multiroom System," Systemline, 2003, pp. 1-22.	
	29	Zero Configuration Networking - Zeroconf. www.zeroconf.org, 4 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	30	Zero Configuration networking with Bonjour -YouTube available via https://www.youtube.com/watch?v=ZhtZJ6EsCXo 3 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	31	Zeroconf Working Group, Dynamic Configuration of IPv4 Link-Local Addresses, Internet-Draft, 8 July 2004, 62 pages.	
	32	Zeroconf Working Group, Dynamic Configuration of IPv4 Link-Local Addresses, Internet-Draft, 1 July 2004, 60 pages.	
	33	Zeroconf Working Group, Dynamic Configuration of IPv4 Link-Local Addresses, Internet-Draft, 7 June 2004, 62 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Zeroconf Working Group, Dynamic Configuration of Link-Local IPv4 Addresses, Internet-Draft, 16 February 2004, 60 pages.	
	35	Zeroconf Working Group, Dynamic Configuration of Link-Local IPv4 Addresses, Internet-Draft, 31 March 2004, 60 pages.	
	36	"ZR-8630AV MultiZone Audio/Video Receiver, Installation and Operation Guide," Niles Audio Corporation, 2003, 86 pages.	
	37	ZX135: Installation Manual,LA Audio, April 2003, 44 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	8750282		2014-06-10	GELTER; Aaron et al.	
	2	8751026		2014-06-10	SATO; Teppei et al.	
	3	8762565		2014-06-24	TOGASHI; Ryuichiro et al.	
	4	8768252		2014-07-01	WATSON; Clarke S. et al.	
	5	8775546		2014-07-08	MILLINGTON; Nicholas A. J.	
	6	8797926		2014-08-05	KEARNEY, III; Philip F. et al.	
	7	8818538		2014-08-26	SAKATA; Junichiro	
	8	8819554		2014-08-26	BASSO; Andrea et al.	

EFS Web 2.1.18

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	9	8831761		2014-09-09	KEMP; Thomas et al.	
	10	8843586		2014-09-23	PANTOS; Roger et al.	
	11	8861739		2014-10-14	OJANPERA; Juha P.	
	12	8868698		2014-10-21	MILLINGTON; Nicholas A. J. et al.	
	13	8885851		2014-11-11	WESTENBROEK; Marcel	
	14	8904066		2014-12-02	MOORE; Jeffrey C. et al.	
	15	8917877		2014-12-23	HAAFF; Olle et al.	
	16	8930006		2015-01-06	HAATAINEN; Niko	
	17	8934647		2015-01-13	JOYCE; John et al.	
	18	8934655		2015-01-13	BREEN; John J. et al.	
	19	8942252		2015-01-27	BALASSANIAN; Edward et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	20	8942395		2015-01-27	LISSAMAN; Geoff et al.	
	21	8954177		2015-02-10	SANDERS; Christopher John	
	22	8965544		2015-02-24	RAMSAY; Max Gordon	
	23	8966394		2015-02-24	GATES; Patrick et al.	
	24	9014833		2015-04-21	GOH; Aik Hee Daniel et al.	
	25	9042556		2015-05-26	KALLAI; Christopher [Us] et al.	
	26	9078281		2015-07-07	MATSUDA; Makoto et al.	
	27	9130770		2015-09-08	MILLINGTON; Nicholas A.J et al.	
	28	9137602		2015-09-15	MAYMAN; Avrum G. et al.	
	29	9160965		2015-10-13	REDMANN; William Gibbens et al.	
	30	9195258		2015-11-24	MILLINGTON; Nicholas A. J.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	31	9456243		2016-09-27	HUGHES; Gary et al.	
	32	9507780		2016-11-29	ROTHKOPF; Fletcher R. [Us] et al.	
	33	9560448		2017-01-31	HARTUNG; Klaus	
	34	9998321		2018-06-12	CHESHIRE; Stuart D.	
	35	10,133,536		2018-11-20	MILLINGTON; Nicholas A. J.	
	36	10,157,033		2018-12-18	MILLINGTON; Nicholas A. J.	
	37	10,175,930		2019-01-08	MILLINGTON; Nicholas A. J.	

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20010001160		2001-05-10	SHOFF; Daniel J. et al.	
	2	20010009604		2001-07-26	ANDO; Hideo et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	3	20010022823		2001-09-20	RENAUD; Pierre	
	4	20010027498		2001-10-04	VAN DE MEULENHOF; Dennis et al.	
	5	20010032188		2001-10-18	MIYABE; Yoshiyuki et al.	
	6	20010042107		2001-11-15	PALM; Stephen R.	
	7	20010043456		2001-11-22	ATKINSON; LEE	
	8	20010046235		2001-11-29	TREVITT; Stephen et al.	
	9	20010047377		2001-11-29	SINCAGLIA; Nicholas William et al.	
	10	20010050991		2001-12-13	EVES; David A.	
	11	20010055950		2001-12-27	DAVIES; Robert J. et al.	
	12	20020002039		2002-01-03	QURESHEY; Safi et al.	
	13	20020002562		2002-01-03	MORAN; Thomas P. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	14	20020002565		2002-01-03	OHYAMA; Akira	
	15	20020003548		2002-01-10	KRUSCHE; Arnd et al.	
	16	20020015003		2002-02-07	KATO; Masami et al.	
	17	20020022453		2002-02-21	BALOG; Horia et al.	
	18	20020026442		2002-02-28	LIPSCOMB; Kenneth O. et al.	
	19	20020034374		2002-03-21	BARTON; James M.	
	20	20020035621		2002-03-21	ZINTEL; William Michael et al.	
	21	20020042844		2002-04-11	CHIAZZESE; Giovanni	
	22	20020049843		2002-04-25	BARONE; Samuel T. et al.	
	23	20020062406		2002-05-23	CHANG; William Ho et al.	
	24	20020065926		2002-05-30	HACKNEY; Michael L.J et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	25	20020067909		2002-06-06	IIVONEN; Jukka-Pekka	
	26	20020072816		2002-06-13	SHDEMA; Yoav [Il] et al.	
	27	20020072817		2002-06-13	CHAMPION; Mark	
	28	20020073228		2002-06-13	COGNET; Yves et al.	
	29	20020078293		2002-06-20	KOU; SHO et al.	
	30	20020080783		2002-06-27	FUJIMORI; Junichi [Jp] et al.	
	31	20020083172		2002-06-27	KNOWLES; Gregory T. et al.	
	32	20020083342		2002-06-27	WEBB; Brian T. et al.	
	33	20020090914		2002-07-11	KANG; Hyun-Sook et al.	
	34	20020093478		2002-07-18	YEH; Chun LIN	
	35	20020095460		2002-07-18	BENSON; Michael	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	36	20020098878		2002-07-25	MOONEY; Philip D. et al.	
	37	20020101357		2002-08-01	GHARAPETIAN; ARA H.	
	38	20020103635		2002-08-01	MESAROVIC; Vladimir Z. et al.	
	39	20020109710		2002-08-15	HOLTZ; Alex et al.	
	40	20020112084		2002-08-15	DEEN; Gary D. et al.	
	41	20020112244		2002-08-15	LIOU; Shih-Ping et al.	
	42	20020114354		2002-08-22	SINHA; Pranesh et al.	
	43	20020114359		2002-08-22	IBARAKI; Susumu et al.	
	44	20020124097		2002-09-05	ISELY; Larson J. et al.	
	45	20020124182		2002-09-05	BACSO; Stephen R. et al.	
	46	20020129128		2002-09-12	GOLD; Stephen et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	47	20020129156		2002-09-12	YOSHIKAWA; Masato	
	48	20020131398		2002-09-19	TAYLOR; James L.	
	49	20020131761		2002-09-19	KAWASAKI; Kojiro et al.	
	50	20020136335		2002-09-26	LIOU; Shih-Ping et al.	
	51	20020137505		2002-09-26	EICHE; Steven A. et al.	
	52	20020143998		2002-10-03	RAJAGOPAL; Priya et al.	
	53	20020146981		2002-10-10	SAINT-HILAIRE; Ylian et al.	
	54	20020150053		2002-10-17	GRAY; Donald M. et al.	
	55	20020159596		2002-10-31	DURAND; Julian et al.	
	56	20020161865		2002-10-31	NGUYEN; Brian G.	
	57	20020163361		2002-11-07	PARKIN; Michael W.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	58	20020165721		2002-11-07	CHANG; Kenneth H.P et al.	
	59	20020165921		2002-11-07	SAPIEYEVSKI; Jerzy	
	60	20020168938		2002-11-14	CHANG; Chin-Chi	
	61	20020173273		2002-11-21	SPURGAT; Jeffrey Jonathan et al.	
	62	20020174243		2002-11-21	SPURGAT; Jeffrey Jonathan et al.	
	63	20020177411		2002-11-28	YAJIMA; Kiyoshi et al.	
	64	20020181355		2002-12-05	SHIKUNAMI; Juichi et al.	
	65	20020184310		2002-12-05	TRAVERSAT; Bernard A. et al.	
	66	20020188762		2002-12-12	TOMASSETTI; Stephen Robert et al.	
	67	20020194260		2002-12-19	HEADLEY; Kent Lawrence et al.	
	68	20020194309		2002-12-19	CARTER; Harry Nick et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	69	20030002609		2003-01-02	FALLER; Christof et al.	
	70	20030002849		2003-01-02	LORD; William P.	
	71	20030008616		2003-01-09	ANDERSON; Lelan S.	
	72	20030014486		2003-01-16	MAY; Gregory J.	
	73	20030018797		2003-01-23	DUNNING; TED E. et al.	
	74	20030020763		2003-01-30	MAYER; Theodore et al.	
	75	20030023411		2003-01-30	WITMER; Don et al.	
	76	20030023741		2003-01-30	TOMASSETTI; Stephen Robert et al.	
	77	20030035072		2003-02-20	HAGG; Wilhelm	
	78	20030035444		2003-02-20	ZWACK; Eduard	
	79	20030041173		2003-02-27	HOYLE; Stephen L.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	80	20030041174		2003-02-27	WEN; Sayling et al.	
	81	20030043856		2003-03-06	LAKANIEMI; ARI et al.	
	82	20030043924		2003-03-06	HADDAD; Semir S. et al.	
	83	20030046703		2003-03-06	KNOWLES; Gregory T. et al.	
	84	20030050058		2003-03-13	WALSH; Rod et al.	
	85	20030055892		2003-03-20	HUITEMA; Christian et al.	
	86	20030056220		2003-03-20	THORNTON; James Douglass et al.	
	87	20030061428		2003-03-27	GARNEY; John I. et al.	
	88	20030063528		2003-04-03	OGIKUBO; Takahiko	
	89	20030063755		2003-04-03	NOURSE; James D. et al.	
	90	20030066094		2003-04-03	VAN DER SCHAAR; Auke Sjoerd et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	91	20030067437		2003-04-10	MCCLINTOCK; Dale Thomas et al.	
	92	20030073432		2003-04-17	MEADE; William K.	
	93	20030097478		2003-05-22	KING; James Reynell	
	94	20030099212		2003-05-29	ANJUM; Farooq et al.	
	95	20030099221		2003-05-29	RHEE; Sokwoo	
	96	20030100335		2003-05-29	GASSHO; Kazuhito et al.	
	97	20030101253		2003-05-29	SAITO; Takayuki et al.	
	98	20030103088		2003-06-05	DRESTI; Mauro et al.	
	99	20030103464		2003-06-05	WONG; Yoon Kean et al.	
	100	20030109270		2003-06-12	SHORTY; Peter	
	101	20030110329		2003-06-12	HIGAKI; Nobuo et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	102	20030123853		2003-07-03	IWAHARA; Yuji et al.	
	103	20030126211		2003-07-03	ANTTILA; Akseli et al.	
	104	20030135822		2003-07-17	EVANS; Glenn F.	
	105	20030157951		2003-08-21	HASTY; William V.	
	106	20030167335		2003-09-04	ALEXANDER; Bruce	
	107	20030172123		2003-09-11	POLAN; Jeffrey S. et al.	
	108	20030179780		2003-09-25	WALKER; Anthony et al.	
	109	20030182254		2003-09-25	PLASTINA; Daniel et al.	
	110	20030185400		2003-10-02	YOSHIZAWA; Kazuhiko et al.	
	111	20030187657		2003-10-02	ERHART; George W. et al.	
	112	20030195964		2003-10-16	MANE; Pravin D.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	113	20030198254		2003-10-23	SULLIVAN; Gary E. et al.	
	114	20030198255		2003-10-23	SULLIVAN; Gary E. [Us] et al.	
	115	20030198257		2003-10-23	SULLIVAN; Gary E. et al.	
	116	20030200001		2003-10-23	GODDARD; Mark D.	
	117	20030204273		2003-10-30	DINKER; Darpan et al.	
	118	20030204509		2003-10-30	DINKER; Darpan et al.	
	119	20030210796		2003-11-13	MCCARTY; William A. et al.	
	120	20030212802		2003-11-13	RECTOR; Dusty D. et al.	
	121	20030219007		2003-11-27	BARRACK; Craig et al.	
	122	20030220705		2003-11-27	IBEY; Jarry A.	
	123	20030225834		2003-12-04	LEE; Oliver et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	124	20030227478		2003-12-11	CHATFIELD; Keith M.	
	125	20030229900		2003-12-11	REISMAN; Richard	
	126	20030231208		2003-12-18	HANON; Kris et al.	
	127	20030231871		2003-12-18	USHIMARU; Chikara	
	128	20030235304		2003-12-25	EVANS; Glenn F. et al.	
	129	20040001106		2004-01-01	DEUTSCHER; John et al.	
	130	20040001484		2004-01-01	OZGUNER; Tolga	
	131	20040001591		2004-01-01	MANI; Murali et al.	
	132	20040002938		2004-01-01	DEGUCHI; Yuichiro	
	133	20040008852		2004-01-15	ALSO; Masaru et al.	
	134	20040010727		2004-01-15	FUJINAMI; Yasushi	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	135	20040012620		2004-01-22	BUHLER; Rene et al.	
	136	20040014426		2004-01-22	MOORE; Richard A.	
	137	20040015252		2004-01-22	AISO; Masaru et al.	
	138	20040019497		2004-01-29	VOLK; Andrew R. et al.	
	139	20040019807		2004-01-29	FREUND; Gregor P. et al.	
	140	20040019911		2004-01-29	GATES; Matthijs A. et al.	
	141	20040023697		2004-02-05	KOMURA; Tatsumi	
	142	20040024478		2004-02-05	HANS; Mathieu Claude et al.	
	143	20040024925		2004-02-05	CYPHER; Robert E. et al.	
	144	20040027166		2004-02-12	MANGUM; Wayne G. et al.	
	145	20040032348		2004-02-19	LAI; Angela C. W. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	146	20040032421		2004-02-19	WILLIAMSON; Charles G. et al.	
	147	20040037433		2004-02-26	CHEN; Heng-Chien	
	148	20040041836		2004-03-04	ZANER; Melora et al.	
	149	20040042629		2004-03-04	MELLONE; Charles M. et al.	
	150	20040044742		2004-03-04	EVRON; Roni et al.	
	151	20040048569		2004-03-11	KAWAMURA; Harumi	
	152	20040059842		2004-03-25	HANSON; Mark L. et al.	
	153	20040059965		2004-03-25	MARSHALL; Kenneth R. et al.	
	154	20040066736		2004-04-08	KROEGER; Brian William	
	155	20040075767		2004-04-22	NEUMAN; Darren et al.	
	156	20040078383		2004-04-22	MERCER; IAN Cameron et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	157	20040080671		2004-04-29	SIEMENS; Duane et al.	
	158	20040093096		2004-05-13	HUANG; Steve Lan-Ping et al.	
	159	20040098754		2004-05-20	VELLA; Zane et al.	
	160	20040111473		2004-06-10	LYSENKO; Anton et al.	
	161	20040117462		2004-06-17	BODIN; William Kress et al.	
	162	20040117491		2004-06-17	KARAOGUZ; Jeyhan et al.	
	163	20040117840		2004-06-17	BOUDREAU; Paul A. et al.	
	164	20040117858		2004-06-17	BOUDREAU; Paul A. et al.	
	165	20040128701		2004-07-01	KANEKO; Toshimitsu et al.	
	166	20040131192		2004-07-08	METCALF; Randall B.	
	167	20040133689		2004-07-08	VASISHT; Samrat	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	168	20040143368		2004-07-22	MAY; Robert E. et al.	
	169	20040143852		2004-07-22	MEYERS; Philip G.	
	170	20040148237		2004-07-29	BITTMANN; RAN et al.	
	171	20040168081		2004-08-26	LADAS; Corey M. et al.	
	172	20040170383		2004-09-02	MAZUR; Leszek	
	173	20040171346		2004-09-02	LIN; John	
	174	20040176025		2004-09-09	HOLM; Jukka et al.	
	175	20040177167		2004-09-09	IWAMURA; Ryuichi et al.	
	176	20040179554		2004-09-16	TSAO; Hsi-Kang	
	177	20040183827		2004-09-23	PUTTERMAN; Daniel et al.	
	178	20040185773		2004-09-23	GERBER; Louis et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	179	20040195313		2004-10-07	LEE; Hyeok-Soo	
	180	20040203376		2004-10-14	PHILLIPPS; John Quentin	
	181	20040203378		2004-10-14	POWERS; Simon	
	182	20040203590		2004-10-14	SHTEYN; Eugene	
	183	20040203936		2004-10-14	OGINO; Minoru et al.	
	184	20040208158		2004-10-21	FELLMAN; Ronald D. et al.	
	185	20040213230		2004-10-28	DOUSKALIS; William et al.	
	186	20040214524		2004-10-28	NODA; Takuro et al.	
	187	20040223622		2004-11-11	LINDEMANN; Eric LEE [Us] et al.	
	188	20040224638		2004-11-11	FADELL; Anthony M. et al.	
	189	20040228367		2004-11-18	MOSIG; Rudiger et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	190	20040248601		2004-12-09	CHANG; Chin-Chi	
	191	20040249490		2004-12-09	SAKAI; Kenji	
	192	20040249965		2004-12-09	HUGGINS; GUY Dwayne et al.	
	193	20040249982		2004-12-09	ARNOLD; Johann et al.	
	194	20040252400		2004-12-16	BLANK; William Thomas et al.	
	195	20040253969		2004-12-16	NGUYEN; Vu X. et al.	
	196	20050010691		2005-01-13	OYADOMARI; Randy et al.	
	197	20050011388		2005-01-20	KOUZNETSOV; Alex A.	
	198	20050013394		2005-01-20	RAUSCH; Mathias et al.	
	199	20050015551		2005-01-20	EAMES; Russell Mark et al.	
	200	20050021590		2005-01-27	DEBIQUE; Kirt A. [Us] et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	201	20050027821		2005-02-03	ALEXANDER; Justin et al.	
	202	20050047605		2005-03-03	LEE; Noel et al.	
	203	20050058149		2005-03-17	HOWE; Wayne Richard	
	204	20050060435		2005-03-17	XUE; XIN et al.	
	205	20050062637		2005-03-24	EL ZABADANI; Hicham Mahmoud et al.	
	206	20050081213		2005-04-14	SUZUOKI; Masakazu et al.	
	207	20050100166		2005-05-12	SMETTERS; Diana K. et al.	
	208	20050105052		2005-05-19	MCCORMICK; TOM et al.	
	209	20050114538		2005-05-26	ROSE; Steven W.	
	210	20050120128		2005-06-02	WILLES; W. P. et al.	
	211	20050125222		2005-06-09	BROWN; Michael Wayne et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	212	20050125357		2005-06-09	SAADAT; Abbas S. et al.	
	213	20050129240		2005-06-16	BALFANZ; Dirk et al.	
	214	20050131558		2005-06-16	BRAITHWAITE; Michael et al.	
	215	20050149204		2005-07-07	MANCHESTER; Scott et al.	
	216	20050154766		2005-07-14	HUANG; Wei-Hung et al.	
	217	20050159833		2005-07-21	GIAIMO; Edward C. et al.	
	218	20050160270		2005-07-21	GOLDBERG; David et al.	
	219	20050166135		2005-07-28	BURKE; David G. et al.	
	220	20050168630		2005-08-04	YAMADA; Norihiko et al.	
	221	20050170781		2005-08-04	JACOBSEN; Eric A. et al.	
	222	20050177643		2005-08-11	XU; Shugong	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	223	20050181348		2005-08-18	CAREY; Tadhg M. et al.	
	224	20050195205		2005-09-08	ABRAMS; Thomas A.Jr	
	225	20050195823		2005-09-08	CHEN; Jian-Rong et al.	
	226	20050197725		2005-09-08	ALEXANDER; JIM et al.	
	227	20050198221		2005-09-08	MANCHESTER; Scott et al.	
	228	20050198574		2005-09-08	LAMKIN; Allan B. et al.	
	229	20050201549		2005-09-15	DEDIEU; Stephane et al.	
	230	20050215265		2005-09-29	SHARMA; Sanjeev K.	
	231	20050216556		2005-09-29	MANION; Todd R. et al.	
	232	20050239445		2005-10-27	KARAOGUZ; Jeyhan et al.	
	233	20050246421		2005-11-03	MOORE; Kevin R. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	234	20050262217		2005-11-24	NONAKA; Masao et al.	
	235	20050281255		2005-12-22	DAVIES; Trevor et al.	
	236	20050283820		2005-12-22	RICHARDS; Martin J. et al.	
	237	20050288805		2005-12-29	MOORE; Jeffrey C. et al.	
	238	20050289224		2005-12-29	DESLIPPE; Mark H. et al.	
	239	20060041639		2006-02-23	LAMKIN; Allan B. [Us] et al.	
	240	20060072489		2006-04-06	TOYOSHIMA; Akihiko	
	241	20060095516		2006-05-04	WIJERATNE; Viranga L.	
	242	20060098936		2006-05-11	IKEDA; Wataru et al.	
	243	20060119497		2006-06-08	MILLER; Kevin L. et al.	
	244	20060142034		2006-06-29	WENTINK; Menzo et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	245	20060143236		2006-06-29	WU; Michael	
	246	20060155721		2006-07-13	GRUNWALD; David et al.	
	247	20060161635		2006-07-20	LAMKIN; Allan B. et al.	
	248	20060161742		2006-07-20	SUGIMOTO; Kayo et al.	
	249	20060173844		2006-08-03	ZHANG; Junbiao et al.	
	250	20060173976		2006-08-03	VINCENT; Jonathan M. et al.	
	251	20060193454		2006-08-31	ABOU-CHAKRA; Rabih et al.	
	252	20060222186		2006-10-05	PAIGE; Robert F. et al.	
	253	20060227985		2006-10-12	KAWANAMI; Kenichiro	
	254	20060259649		2006-11-16	HSIEH; Kuan-Hong et al.	
	255	20060265571		2006-11-23	BOSCH; Thomas et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	256	20060270395		2006-11-30	DHAWAN; Anil K. [Us] et al.	
	257	20060281409		2006-12-14	LEVIEN; Royce A. et al.	
	258	20060287746		2006-12-21	BRAITHWAITE; Michael et al.	
	259	20070003067		2007-01-04	GIERL; Stefan et al.	
	260	20070022156		2007-01-25	GRUBBS; Gregory J.	
	261	20070022207		2007-01-25	MILLINGTON; Nicholas A. et al.	
	262	20070038999		2007-02-15	MILLINGTON; Nicholas A. J.	
	263	20070043847		2007-02-22	CARTER; Harry N. et al.	

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2]	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

NON-PATENT LITERATURE DOCUMENTS Remove			
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
	1	BridgeCo. Company Overview. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	2	BridgeCo. Networked Entertainment, Product Information. 7 October 2003, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	3	BridgeCo. Networked Loudspeaker Product Information, 4 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	4	BridgeCo. News and Events, BridgeCo Launches UPnP-Compliant Wireless Audio Adapter 16 September 2003, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	5	BridgeCo. Professional Loudspeaker - Product Information, 3 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	6	BridgeCo. User Manual, Wireless Audio Adapter. 22 September 2003, 34 pages.	
	7	BridgeCo. Vision. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	8	BridgeCo. Vision, 5 Factors, 5 Missing Functionalities. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	9	BridgeCo. Vision, 5 Key Functions. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	10	BridgeCo. Vision, BridgeCo Solution. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	11	BridgeCo. Vision, Consumer Benefits. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	12	BridgeCo. Vision, Consumer Demand. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	13	BridgeCo. Vision, ENA Applications. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	14	BridgeCo. Vision, ENA Deployment. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	15	BridgeCo. Vision, ENA Functionality. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	16	BridgeCo. Vision, ENA Market. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	17	BridgeCo. Vision, Entertainment Continuum. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	18	BridgeCo. Vision, Entertainment Network Adapter. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	19	BridgeCo. Vision, New Entertainment. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020] .	
	20	BridgeCo. Vision, Technical Problems. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020] .	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	21	BridgeCo. Wireless Audio Adapter, Product Information. 3 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020] .	
	22	BridgeCo. Wireless Audio Adapter Reference Design, Product Information. Version 1.3. 31 October 2003, 2 pages.	
	23	BridgeCo. Wireless Audio Adapter Reference Design. Product Information. Version 1.3, 31 October 2003, 2 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	24	BridgeCo. Wireless Loudspeaker, Product Information. 4 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020] .	
	25	BridgeCo. Wireless Loudspeaker, Product Information. Version 1.4. 16 December 2003, 5 pages.	
	26	Buffalo. Link Theater LT-H90 Media Player v1.0, 2003- 2008, 38 pages.	
	27	Buffalo. LinkTheater PC-P3LWG/DVD, 59 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	28	Business Wire. BridgeCo Adds Wireless Connectivity and Enhances Surround Sound Processing for New Generation Speakers. 5 May 2003, 2 pages.	
	29	c200 Wireless Network MP3 Player, 4 June 2003, 1 page.	
	30	Cai et al. Simple Service Discovery Protocol/1.0, Internet Engineering Task Force, 8 April 1999, 8 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	31	CANADIAN INTELLECTUAL PROPERTY OFFICE, Canadian Office Action mailed on 04 April 2016, issued in connection with Canadian Patent Application No. 2,842,342, 5 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	32	CANADIAN INTELLECTUAL PROPERTY OFFICE, Canadian Office Action mailed on 14 September 2015, issued in connection with Canadian Patent Application No. 2,842,342, 2 pages.	
	33	Carnoy, David. Parrot DS1120 Wireless Hi-Fi Speaker System Review, 15 July 2008, 4 pages.	
	34	Case et al. RFC 1157 - A Simple Network Management Protocol, May 1990, 36 pages.	
	35	cd30. Audio Control Document V4.2 Released! 18 September 2003, 7 pages.	
	36	cd30. Audio Control Protocol Availability, 28 February 2004, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	37	cd30 Audio Control Protocol. Version 4.2. 18 September 2003, 24 pages.	
	38	cd30. Audio Stream Protocol Released. 9 March 2004, 2 pages.	
	39	Cd30. Audio Stream Protocol: Version 18. 9 March 2004, 13 pages.	
	40	cd30 Backgrounder, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	41	cd30. c100 Network MP3 Player. Quick Product Summary .1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	42	cd30. c200 Wireless Network MP3 Player. Quick Product Summary. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	43	cd30. c300 Extended-Range Wireless Network MP3 Player. Quick Product Summary, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	44	cd30 C300 Reviews. Digital Audio Receivers (DARs) Reviews by CNET, 30 March 2003, 3 pages.	
	45	cd30. Careers, 21 November 2003, 1 page.	
	46	cd30. Contact, 12 December 2003, 1 page.	
	47	cd30. Corporate Fact Sheet, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	48	cd30 FAQs. What problem or need does cd30 address with their products? 2 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	49	cd30 Frequently-Asked Questions About cd30 Network MP3 Players, 12 December 2003, 6 pages.	
	50	cd30 Introduces Family of MP3 Players at this year's Consumer Electronics Show. 9-12 January, 2003 Las Vegas Convention Center, 12 February 2004, 2 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	MILLS David L., "Network Time Protocol (Version 3) Specification, Implementation and Analysis," Network Working Group, March 1992, 7 pages.	
	2	MILLS, David L., "Precision Synchronization of Computer Network Clocks," ACM SIGCOMM Computer Communication Review, 1994, pp. 28-43, Vol. 24, No. 2.	
	3	"Model MRC44 Four Zone - Four Source Audio/Video Controller/Amplifier System," Xantech Corporation, 2002, 52 pages.	
	4	Model MRC88 Eight Zone - Eight Source Audio/Video Controller/Amplifier System," Xantech Corporation, 2003, 102 pages.	
	5	Moses, B., Home Networking Using IEEE 1394 in Combination with Other Networking Technologies. Audio Delivery. The Changing Home Experience -AES 17 UK Conference 2002, 16 pages.	
	6	MOTOROLA, "Simplefi, Wireless Digital Audio Receiver, Installation and User Guide," December 31, 2001, 111 pages.	
	7	"SMPTE Made Simple: A Time Code Tutor by Timeline," 1996, 46 pages.	
	8	Muherim et al. On the Performance of Clock Synchronization Algorithms for a Distributed Commodity Audio System. Audio Engineering Society Convention Paper presented at 114th Convention 22-25 March 2003, 12 pages.	
	9	Multi-Easy/Multi-Sound. C-Media Xear 3D Sound Solution for USB Multi-Channel. User Manual, Revision: 1.0, January 2004, 29 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	10	Multi-Zone Control Systems. ZR-8630AV MultiZone Receiver. Niles. http://www.ampersandcom.com/zr8630av.html accessed March 26, 2020, 5 pages.	
	11	Murph, Darren. Rocketfish Wireless Whole Home Audio System Cuts the Cord on All Your Speakers. Engadget. 23 October 2009, 9 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Musica 5000 Series. Multi-Room Audio System, NetStreams, 2005, 7 pages.	
	13	Musica MU4602. Audio Distribution System. Data Sheet, 2004, 2 pages.	
	14	Musica MUR2E Network Interface. NetStreams Creating the future of home entertainment - today, 2004, 2 pages.	
	15	Musica MUR2EM Network Interface. NetStreams The IP Based Distributed Entertainment Company, 2005, 2 pages.	
	16	MusicCAST. Interactive Wireless. Home Music Network System, 6 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	17	MusicCAST System – About the Quick Manual, 1999, 7 pages.	
	18	Musicmatch. Jukebox Basic. Setup, 7 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	19	NETGEAR. User's Manual for the MP101 Digital Music Player, Version 1.2, May 2004, 48 pages.	
	20	NetStreams. Musica MU4602 Audio Distribution System. Data Sheet. Copyright 2004, 2 pages.	
	21	NetStreams Musica MU5066. Multi-Room Audio System. Installation and User's Guide, 2005, 44 pages. .	
	22	NetStreams Musica. NS-MU4602 Audio Distribution System, Integration & Design Guide. The IP-Based Audio Distribution Company, 2004, 22 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	NetStreams. Panorama PAN6400 Multi-Room Video & Control System Installation Guide, 1 January 2006, 64 pages.	
	24	NetStreams Product Catalog 2003-2004. Creating the Future of Home Entertainment Today 20 pages.	
	25	Network Time Protocol (NTP), RFC 1305 (Mar. 1992) (D+M_0397417-536) (120 pages).	
	26	Network Working Group. Zeroconf Multicast Address Allocation Protocol, Internet-Draft, 22 October 2002, 14 pages.	
	27	NewRoom. Sirius, XM Companies Flood Cedia with New Products, 15 September 2003, 2 pages.	
	28	NewRoom. SMC Ships New EZ-Stream Universal 80211ag Wireless Router, 14 January 2004, 3 pages.	
	29	NewsRoom. AP DataStream, Wall Street Journal Digest, 15 January 2004, 3 pages.	
	30	NewsRoom. AP Online, AP Technology NewsBrief. 26 December 2003, 2 pages.	
	31	NewsRoom. AP Online, AP Technology NewsBrief. 27 December 2003, 2 pages.	
	32	NewsRoom. Belleville News Democrat, TUNES, PICTURES FROM COMPUTER CAN BE SENT TO YOUR TV, STEREO, 27 December 2003, 2 pages.	
	33	NewsRoom. BridgeCo Successfully Concludes Second Financing Round of US $13.3 Million, Business Wire, 9 January 2003, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	NewsRoom. Business Line, Cisco arm rolls out products for SOHO. 5 November 2003, 2 pages.	
	35	NewsRoom. Business Wire, BridgeCo Adds Wireless Connectivity and Enhances Surround Sound Processing for New Generation Speakers. 5 May 2003, 3 pages.	
	36	NewsRoom. Business Wire, BridgeCo Launches Entertainment Network Adapter at CES2003, 9 January 2003, 3 pages.	
	37	NewsRoom. Business Wire, BridgeCo Launches Entertainment Network Adapter for Pro Audio at NAMM Show, 16 January 2003, 3 pages.	
	38	NewsRoom. Business Wire, BridgeCo Opens USA Business Development HQ in Silicon Valley and Expands Management Team, 15 March 2004, 3 pages.	
	39	NewsRoom. Business Wire, BridgeCo Releases Silicon and Firmware Platform Compatible with Microsoft Windows Media Connect and Windows Media DRM Technology. 3 May 2004, 3 pages.	
	40	NewsRoom. Business Wire, CSR and BridgeCo Launch Design for New Generation Wireless Speakers; Transforms Traditional Speakers into Portable Internet Radio, 6 May 2003, 3 pages.	
	41	NewsRoom. Business Wire, Epson Announces the EPSON Stylus Photo 900: The First Photo Printer Under $200 to Print Directly Onto CDs and DVDs; New Printer Offers a Complete Printing Solution for Digital Lifestyles, 16 April 2003, 4 pages.	
	42	NewsRoom. Business Wire, Good Guys Unveils Top 10 Holiday Electronics Gifts; Advances in Technology and Lower Prices Across the Industry Make for Great Deals on In-Demand Products This Season, 3 December 2003, 3 pages.	
	43	NewsRoom. Bytestechnology Briefing, 19 February 2002, 2 pages.	
	44	NewsRoom. CEA Announces 2007 Mark of Excellence Award Winners, 10 March 2007, 3 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	NewsRoom. CEDIA Abuzz with Trends -- Integrators agree: The hot products at this year's expo are the start of a revolutionary move for the home automation market. 9 October 2006, 4 pages.	
	46	NewsRoom. Chicago Sun Times, Wireless stream player hits the right notes, 17 January 2004, 3 pages.	
	47	NewsRoom. Computer Shopper, Entertainment geekly: the blueprints have been drawn for a connected home that fuses the PC with entertainment devices. All you have to do is install..., 1 November 2003, 6 pages.	
	48	NewsRoom. Computer Shopper, Tunes all around, Volume 23; Issue 11, 1 November 2003, 1 page.	
	49	NewsRoom. Computer Shopper, What we want: here's the gear our editors are wishing for this year, Volume 23; Issue 12, 1 December 2003, 8 pages.	
	50	NewsRoom. Computer Shopper, Wi-Fi meets Hi-Fi: here's how to stream music, still images, and videos to your home entertainment center, 1 November 2003, 5 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	HERRE et al., "The Reference Model Architecture for MPEG Spatial Audio Coding," Audio Engineering Society Convention Paper (Presented at the 118th Convention), May 28-31, 2005, 13 pages.	
	2	High Fidelity. New Wave in Speaker Design. October 1980, 130 pages.	
	3	Home Networking with Universal Plug and Play, IEEE Communications Magazine, Vol. 39 No. 12 (December 2001) (D +M_0402025-40) (16 pages).	
	4	"Home Theater Control Systems," Cinema Source, 2002, 19 pages.	
	5	Home THX Audio System Room Equalization Manual Rev. 1.5, Lucafilm. Copyright 1995, 24 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	6	HomePod - Wireless Network Digital Music Player with FM Tuner, User Manual, 2003, 16 pages.	
	7	HomePod MP-100, Wireless Network Music Player, with USB Jukebox, Internet Radio, and FM Tuner, Specification, 2003, 2 pages.	
	8	HomePod. User Manual, Wireless Network Digital Audio Player with FM Tuner, 2003, 49 pages.	
	9	HORWITZ, Jeremy, "Logic3 i-Station25," retrieved from the internet: http://www.ilounge.com/index.php/reviews/entry/ ogic3-i-station25/, last visited December 17, 2013, 5 pages.	
	10	How cd30 Network MP3 Players Work, 2 February 2004, 3 pages.	
	11	Howe et al. A Methodological Critique of Local Room Equalization Techniques, 5 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	HP Deskjet 5850 User Guide, copyright 2003, 217 pages.	
	13	HUANG C.M., et al., "A Synchronization Infrastructure for Multicast Multimedia at the Presentation Layer," IEEE Transactions on Consumer Electronics, 1997, pp. 370-380, Vol. 43, No. 3.	
	14	IBM Home Director Installation and Service Manual, Copyright1998, 124 pages.	
	15	IBM Home Director Owner's Manual, Copyright 1999, 67 pages.	
	16	IEEE Standards 802.3. Part 3: Carrier sense multiple access with collision detection CSMA/CD access method and physical layer specifications, 8 March 2002, 1562 pages.	
	17	ILIVE. User's Guide IS809B Wireless Speaker System, Copyright 2010, 12 pages.	
	18	Implicit, LLC v. Sonos, Inc. (No. 14-1330-RGA), Defendant's Original Complaint (Mar. 3, 2017) (15 pages).	
	19	Integra Audio Network Receiver NAC 2.3 Instruction Manual, 68 pages.	
	20	Integra Audio Network Server NAS 2.3 Instruction Manual, pp. 1-32.	
	21	Integra Service Manual, Audio Network Receiver Model NAC-2.3, December 2002, 44 pages.	
	22	Intel Announces WS-Discovery Spec for Joining Devices and Web Services, Intel Developer Forum Spring 2004, 17 February 2004, 4 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Intel Designing a UPnP AV Media Renderer, v. 1.0 ("Intel AV Media Renderer") (May 20, 2003) (SONDM000115117-62) (46 pages).	
	24	Intel Media Renderer Device Interface ("Intel Media Renderer") (September 6, 2002) (62 pages).	
	25	Intel SDK for UPnP Devices Programming Guide, Version 1.2.1, (November 2002) (30 pages).	
	26	Intel Sees Unified Platform and Ecosystem as Key to Enabling the Digital Home, Intel Developer Forum, 17 February 2004, 4 pages.	
	27	Intel Tools Validate First Solutions that Enable Devices to Work Together in the Digital Home, Intel Developer Forum, 17 February 2004, 2 pages.	
	28	Intel. User's Manual, An Intel Socket 478 Processor Based Mainboard. 27 March 2003, 96 pages.	
	29	INTERNATIONAL BUREAU, International Preliminary Report on Patentability mailed on 08 January 2015, issued in connection with International Application No. PCT/US2013/046372, filed on 18 June 2013, 6 pages.	
	30	INTERNATIONAL BUREAU, International Preliminary Report on Patentability, mailed on 08 January 2015, issued in connection with International Application No. PCT/US2013/046386, filed on 18 June 2013, 8 pages.	
	31	INTERNATIONAL BUREAU, International Preliminary Report on Patentability mailed on 30 January 2014, issued in connection with International Application No. PCT/US2012/045894, filed on 09 July 2012, 6 pages.	
	32	INTERNATIONAL SEARCHING AUTHORITY, International Search Report mailed on 01 August 2008, in connection with International Application No. PCT/US2004/023102, 5 pages.	
	33	INTERNATIONAL SEARCHING AUTHORITY, International Search Report mailed on 26 August 2013, issued in connection with International Application No. PCT/US2013/046372, filed on 18 June 2013, 3 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	INTERNATIONAL SEARCHING AUTHORITY, International Search Report mailed on 26 December 2012, issued in connection with International Application No. PCT/US2012/045894, filed on 09 July 2012, 3 pages.	
	35	INTERNATIONAL SEARCHING AUTHORITY, International Search Report mailed on 30 September 2013, issued in connection with International Application No. PCT/US2013/046386, filed on 18 June 2013, 3 pages.	
	36	INTERNATIONAL SEARCHING AUTHORITY, Written Opinion mailed on 26 August 2013, issued in connection with International Application No. PCT/US2013/046372, filed on 18 June 2013, 4 pages.	
	37	INTERNATIONAL SEARCHING AUTHORITY, Written Opinion mailed on 26 December 2012, issued in connection with International Application No. PCT/US2012/045894, filed on 09 July 2012, 4 pages.	
	38	INTERNATIONAL SEARCHING AUTHORITY, Written Opinion mailed on 30 September 2013, issued in connection with International Application No. PCT/US2013/046386, filed on 18 June 2013, 6 pages.	
	39	Introducing ROOMLINK Network Media Receiver - PCNA-MR10, Sony Vaio, 2003, 2 pages.	
	40	IPR Details - Apple Computer's Statement About IPR Claimed in draft-ietf-zeroconf-ipv4- linklocal, 26 April 2004, 3 pages.	
	41	ISHIBASHI et al., "A Comparison of Media Synchronization Quality Among Reactive Control Schemes," IEEE Infocom, 2001, pp. 77-84.	
	42	ISHIBASHI et al., "A Group Synchronization Mechanism for Live Media in Multicast Communications," IEEE Global Telecommunications Conference, 1997, pp. 746-752, Vol. 2.	
	43	ISHIBASHI et al., "A Group Synchronization Mechanism for Stored Media in Multicast Communications," IEEE Information Revolution and Communications, 1997, pp. 692-700, Vol. 2.	
	44	Issues with Mixed IEEE 802.b/802.11g Networks, AVAGO0058, Agere Systems, February 2004, 5 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	JAPANESE PATENT OFFICE, Decision of Rejection mailed on 08 July 2014, issued in connection with Japanese Patent Application No. 2012-178711, 3 pages.	
	46	JAPANESE PATENT OFFICE, Final Office Action mailed on 08 November 2016, issued in connection with Japanese Patent Application No. 2015-520286, 5 pages.	
	47	JAPANESE PATENT OFFICE, Notice of Rejection, mailed on 03 February 2015, issued in connection with Japanese Patent Application No. 2014-521648, 7 pages.	
	48	JAPANESE PATENT OFFICE, Notice of Rejection mailed on 15 September 2015, issued in connection with Japanese Patent Application No. 2014-220704, 7 pages.	
	49	JAPANESE PATENT OFFICE, Office Action mailed on 22 November 2016, issued in connection with Japanese Application No. 2015-520288, 6 pages.	
	50	JAPANESE PATENT OFFICE, Office Action mailed on 24 May 2016, issued in connection with Japanese Patent Application No. 2014-220704, 7 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Sonos, Inc. v. D&M Holdings Inc. et al., Third Amended Complaint for Patent Infringement, filed January 29, 2016, 47 pages.	
	2	Sonos, Inc. v. D&M Holdings, Inc. (No. 14-1330-RGA), Defendants' Final Invalidity Contentions (Jan. 18, 2017) (106 pages).	
	3	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 226, Opinion Denying Inequitable Conduct Defenses, Feb. 6, 2017, updated, 5 pages.	
	4	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 242, US District Judge Andrews 101 Opinion, Mar. 13, 2017, 16 pages.	
	5	Sonos, Inc. v D&M Holdings, Sonos Supp Opening Markman Brief including Exhibits, 3 March 2017, 17 pages.	
	6	Sonos, Inc. v. D&M Holdings, Sonos Supp Reply Markman Brief including Exhibits, 29 March 2017, 36 pages.	
	7	Sonos, Inc. v. D&M Holdings Inc. et al., Declaration of Steven C. Visser, executed September 9, 2016, 40 pages.	
	8	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 1: Defendants' Invalidity Contentions for U.S. Patent No. 7,571,014 filed September 16, 2016, 270 pages.	
	9	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 10: Defendants' Invalidity Contentions for U.S. Patent No. 9,219,959 filed September 27, 2016, 236 pages.	
	10	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 11: Defendants' Invalidity Contentions for U.S. Design Patent No. D559,197 filed September 27, 2016, 52 pages.	
	11	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 2: Defendants' Invalidity Contentions for U.S. Patent No. 8,588,949 filed September 27, 2016, 224 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 3: Defendants' Invalidity Contentions for U.S. Patent No. 8,843,224 filed September 27, 2016, 147 pages.	
	13	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 4: Defendants' Invalidity Contentions for U.S. Patent No. 8,938,312 filed September 27, 2016, 229 pages.	
	14	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 5: Defendants' Invalidity Contentions for U.S. Patent No. 8,938,637 filed September 27, 2016, 213 pages.	
	15	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 6: Defendants' Invalidity Contentions for U.S. Patent No. 9,042,556 filed September 27, 2016, 162 pages.	
	16	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 7: Defendants' Invalidity Contentions for U.S. Patent No. 9,195,258 filed September 27, 2016, 418 pages.	
	17	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 8: Defendants' Invalidity Contentions for U.S. Patent No. 9,202,509 filed September 27, 2016, 331 pages.	
	18	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions Exhibit 9: Defendants' Invalidity Contentions for U.S. Patent No. 9,213,357 filed September 27, 2016, 251 pages.	
	19	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 1: Defendants' Invalidity Contentions for U.S. Patent No. 7,571,014 filed April 15, 2016, 161 pages.	
	20	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 10: Defendants' Invalidity Contentions for U.S. Patent No. 9,213,357 filed April 15, 2016, 244 pages.	
	21	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 11: Defendants' Invalidity Contentions for U.S. Patent No. 9,219,959 filed April 15, 2016, 172 pages.	
	22	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 12: Defendants' Invalidity Contentions for U.S. Design Patent No. D559,197 filed April 15, 2016, 36 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 2: Defendants' Invalidity Contentions for U.S. Patent No. 8,588,949 filed April 15, 2016, 112 pages.	
	24	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 3: Defendants' Invalidity Contentions for U.S. Patent No. 8,843,224 filed April 15, 2016, 118 pages.	
	25	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 4: Defendants' Invalidity Contentions for U.S. Patent No. 8,938,312 filed April 15, 2016, 217 pages.	
	26	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 5: Defendants' Invalidity Contentions for U.S. Patent No. 8,938,637 filed April 15, 2016, 177 pages.	
	27	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 6: Defendants' Invalidity Contentions for U.S. Patent No. 9,042,556 filed April 15, 2016, 86 pages.	
	28	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 7: Defendants' Invalidity Contentions for U.S. Patent No. 9,130,771 filed April 15, 2016, 203 pages.	
	29	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 8: Defendants' Invalidity Contentions for U.S. Patent No. 9,195,258 filed April 15, 2016, 400 pages.	
	30	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions Exhibit 9: Defendants' Invalidity Contentions for U.S. Patent No. 9,202,509 filed April 15, 2016, 163 pages.	
	31	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Preliminary Identification of Prior Art References, provided July 29, 2016, 5 pages.	
	32	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' Brief in Support of their Motion for Leave to Amend their Answer to Add the Defense of Inequitable Conduct, provided October 12, 2016, 24 pages.	
	33	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' Opposition to Sonos's Motion to Strike Defendants' New Amended Answer Submitted with their Reply, provided October 3, 2016, 15 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Sonos, Inc. v. D&M Holdings Inc. et al., Exhibit A: Defendants' Second Amended Answer to Plaintiffs' Third Amended Complaint, provided October 12, 2016, 43 pages.	
	35	Sonos, Inc. v. D&M Holdings Inc. et al., Exhibit B: Defendants' Second Amended Answer to Plaintiffs' Third Amended Complaint, provided October 12, 2016, 43 pages.	
	36	Sonos, Inc. v. D&M Holdings Inc. et al., Opening Brief in Support of Defendants' Motion for Leave to Amend Their Answer to Add the Defense of Inequitable Conduct, provided August 1, 2016, 11 pages.	
	37	Sonos, Inc. v. D&M Holdings Inc. et al., Order, provided October 7, 2016, 2 pages.	
	38	Sonos, Inc. v. D&M Holdings Inc. et al., Plaintiff's Opposition to Defendants' Motion for Leave to Amend Their Answer to Add the Defense of Inequitable Conduct, provided August 26, 2016, 25 pages.	
	39	Sonos, Inc. v. D&M Holdings Inc. et al., Redlined Exhibit B: Defendants' First Amended Answer to Plaintiffs' Third Amended Complaint, provided August 1, 2016, 27 pages.	
	40	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 206-1, Transcript of 101 Hearing (Nov. 28, 2016) (28 pages).	
	41	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 207, PUBLIC Joint Claim Construction Brief (Nov. 30, 2016) (88 pages).	
	42	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 214, D&M Post-Markman Letter (Dec. 22, 2016) (13 pages).	
	43	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 215, Sonos Post-Markman Letter (Dec. 22, 2016) (15 pages).	
	44	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 219, Claim Construction Opinion (Jan. 12, 2017) (24 pages).	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), DI 221, Claim Construction Order (Jan. 18 2017) (2 pages).	
	46	Sonos, Inc. v. D&M Holdings (No. 14-1330-RGA), Markman Hearing Transcript (Dec. 14, 2016) (69 pages).	
	47	Sonos, Inc. v. Google LLC, Appendix A to Respondents' Response to the Complaint and Notice of Investigation, filed February 27, 2020, 2 pages. .	
	48	Sonos, Inc. v. Google LLC, Appendix B to Respondents' Response to the Complaint and Notice of Investigation, filed February 27, 2020, 176 pages. .	
	49	Sonos, Inc. v. Google LLC. Order 20: Construing the Terms of the Asserted Claims of the Patents at Issue dated 25 September 2020, 53 pages.	
	50	Sonos, Inc. v. Google LLC. Respondents' Final Invalidity Claims Charts for US Patent 10,439,896, Exhibits 1-13, 15-16, and B, 1324 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

EFS Web 2.1.18

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Trask, Simon. NewsRoom, Pro Sound News Europe, Bluetooth to drive wireless speakers, Volume 18; Issue 6, 1 June 2003, 2 pages.	
	2	Truong and Vannuccini. The IEEE 802.11e MAC for Quality of Service in Wireless LANs. IBM Research, Zurich Research Library, 6 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	3	Tsai et al. SIM-based Subscriber Authentication for Wireless Local Area Networks, 2003, 6 pages.	
	4	UL An Affiliate of Underwriters Laboratories Inc. FCC ID: A6RMCX1000A 19 May 2003, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	5	UL Apex Co., Ltd. EMI Test Report, Test Report No.: 23GE0067-HO-2, Yamaha Digital Audio Server MCX-1000, 25 April 2003, 54 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	6	Understanding Universal Plug and Play, Microsoft White Paper (June 2000) (D+M_0402074-118) (45 pages).	
	7	UNITED STATES PATENT AND TRADEMARK OFFICE, U.S. Provisional Application No. 60/378,415 filed on 06 May 2002, entitled "Localized Audio Networks and Assoiciated Digital Accessories," 33 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	8	UNITED STATES PATENT AND TRADEMARK OFFICE, U.S. Provisional Application No. 60/379,313 filed on 09 May 2002, entitled "Audio Network Distribution System," 50 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	9	UNITED STATES PATENT AND TRADEMARK OFFICE, U.S. Provisional Application No. 60/388,887 filed on 14 June 2002, entitled "Localized Audio Networks and Associated Digital Accessories," 42 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	10	UNITED STATES PATENT AND TRADEMARK OFFICE, U.S. Provisional Application No. 60/452,230 filed on 4 March 2003, entitled "Localized Audio Networks and Associated Digital Accessories," 104 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	11	UNITED STATES PATENT AND TRADEMARK OFFICE, U.S. Provisional Application No. 60/490,768 filed on 28 July 2003, entitled "Method for synchronizing audio playback between multiple networked devices," 13 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	UNITED STATES PATENT AND TRADEMARK OFFICE, U.S. Provisional Application No. 60/825,407 filed on 12 September 2006, entitled "Controlling and manipulating groupings in a multi-zone music or media system," 82 pages.	
	13	Universal Plug and Play Device Architecture V. 1.0, (June 8, 2000) (54 pages).	
	14	Universal Plug and Play in Windows XP, Tom Fout. Microsoft Corporation (July 2001) (D+M_0402041-73) (33 pages).	
	15	Universal Plug and Play ("UPnP") AV Architecture:1 For UPnP, Version 1.0, (June 25, 2002) (D+M_0298151-72) (22 pages).	
	16	Universal Plug and Play Vendor's Implementation Guide (January 5, 2000) (7 pages).	
	17	Universal Scientific Industrial Co., Ltd., FCC ID: IXMWAA-B-AGB-01, Federal Communications Commission, Confidentiality Request, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	18	Universal Scientific Industrial Co., Ltd., ID Label for USI WAA, USI WAA-B-AGB-01, FCC ID: IXMWAA-B-AGB-01, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	19	Universal Scientific Industrial Co., Ltd., Label Location, USI WAA-B-AGB-01, FCC ID: IXMWAA-B-AGB-01, 30 October 2003, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	20	Universal Scientific Industrial Co., Ltd., Power of Attorney, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	21	Universal Serial Bus Specification Revision 2.0 April 27, 2000, 650 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	22	"UPnP and Sonos Questions," Sonos Community, December 2006, 5 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	UPnP AV Architecture:0.83 For UPnP Version 1.0, 12 June 2002, copyright 2000, 22 pages. .	
	24	UPnP AV Architecture:0.83 (June 12, 2002) (SONDM000115483-504) (22 pages).	
	25	UPnP Design by Example, A Software Developers Guide to Universal Plug and Play Michael Jeronimo and JackWeast, Intel Press (D+M_0401307-818) (April 2003) (511 pages).	
	26	UPnP Forum. UPnP Device Architecture 1.0. October 15, 2008, 80 pages.	
	27	UPnP; "Universal Plug and Play Device Architecture," 08 June 2000; version 1.0; Microsoft Corporation; pp 1-54.	
	28	Urien et al. EAP-TLS Smartcards, from Dream to Reality, 4th Workshop on Applications and Services in Wireless Networks, 9 August 2004, 19 pages.	
	29	Valtchev et al. In Home Networking, Service Gateway Architecture for a Smart Home, April 2002, 7 pages.	
	30	WANCommonInterfaceConfig:1 Service Template Version 1.01 For UPnP, Ver. 1.0 (November 12, 2001) (D +M_0401820-43) (24 pages).	
	31	WANIPConnection:1 Service Template Version 1.01 For UPnP Ver. 1.0 (November 12, 2001) (D+M_0401844-917) (74 pages).	
	32	WANPPPConnection:1 Service Template Version 1.01 For UPnP, Version 1.0 (November 12, 2001) (D +M_0401918-2006) (89 pages).	
	33	WaveLan High-Speed Multimode Chip Set, AVAGO0003, Agere Systems, February 2003, 4 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	WaveLan High-Speed Multimode Chip Set, AVAGO0005, Agere Systems, February 2003, 4 pages.	
	35	WaveLAN Wireless Integration Developer Kit (WI-DK) for Access Point Developers, AVAGO0054, Agere Systems, July 2003, 2 pages.	
	36	WaveLAN Wireless Integration-Developer Kit (WI-DK) Hardware Control Function (HCF), AVAGO0052, Agere Systems, July 2003, 2 pages.	
	37	"Welcome. You're watching Apple TV." Apple TV 1st Generation Setup Guide, 8 April 2008 http://manuals.info.apple.com/MANUALS/0/MA403/en_US/AppleTV_SetupGuide.pdf Retrieved 10/14/14, 40 pages.	
	38	"Welcome. You're watching Apple TV." Apple TV 2nd Generation Setup Guide, 10 March 2011 Retrieved 10/16/14, 36 pages.	
	39	"Welcome. You're watching Apple TV." Apple TV 3rd Generation Setup Guide, 16 March 2012 Retrieved 10/16/14, 36 pages.	
	40	Weverka et al. Windows XP Gigabook for Dummies. Wiley Publishing, Inc. 2004, 915 pages.	
	41	WI-DK Release 2 WaveLan Embedded Drivers for VxWorks and Linux, AVAGO0056, Agere Systems, July 2003, 2 pages.	
	42	WI-DK Release 2 WaveLan END Reference Driver for VxWorks, AVAGO0044, Agere Systems, July 2003, 4 pages.	
	43	WI-DK Release 2 WaveLan LKM Reference Drivers for Linux, AVAGO0048, Agere Systems, July 2003, 4 pages.	
	44	Wi-Fi Alliance. Wi-Fi Protected Setup Specification, Version 1.0h, December 2006, 110 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Wildstrom, Stephen. At CES, Cool Tech Still Rules. BusinessWeek Online, 13 January 2003, 3 pages.	
	46	Wilkins, N., SMC SMCWMR-AG EZ-Stream (wireless) review. CNET, 8 February 2004, 3 pages.	
	47	Wilkins, N., SMC SMCWMR-AG EZ-Stream (wireless) review. CNET, 8 February 2004, 5 pages.	
	48	Williams, A. Zero Configuration Networking. Requirements for Automatic Configuration of IP Hosts, 19 September 2002, 19 pages.	
	49	Williams, Stephen. NewsRoom, Going Wireless, 21 October 2003, 2 pages.	
	50	Williams, Stephen. NewsRoom, Newsday, As Wireless Evolves, Compatibility is Key, 21 July 2003, 3 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Notice of Allowance mailed on 02 July 2015, issued in connection with U.S. Patent Application No. 13/888203, filed on 06 May 2013, 19 pages.	
	2	Notice of Allowance mailed on 02 July 2015, issued in connection with U.S. Patent Application No. 14/184935, filed on 20 February 2014, 23 pages.	
	3	Notice of Allowance mailed on 02 June 2017, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 10 pages.	
	4	Notice of Allowance mailed on 03 April 2017, issued in connection with U.S. Patent Application No. 15/088678, filed on 01 April 2016, 8 pages.	
	5	Notice of Allowance mailed on 03 September 2015, issued in connection with U.S. Patent Application No. 13/705174, filed on 05 December 2012, 4 pages.	
	6	Notice of Allowance mailed on 04 August 2015, issued in connection with U.S. Patent Application No. 14/516867, filed on 17 October 2014, 13 pages.	
	7	Notice of Allowance mailed on 04 October 2017, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 8 pages.	
	8	Notice of Allowance mailed on 05 October 2012, issued in connection with U.S. Patent Application No. 13/204511, filed on 05 August 2011, 11 pages.	
	9	Notice of Allowance mailed on 06 March 2014, issued in connection with U.S. Patent Application No. 13/827653, filed 14 March 2013, 17 pages.	
	10	Notice of Allowance mailed on 06 May 2011, issued in connection with U.S. Patent Application No. 11/801468, filed 09 May 2007, 10 pages.	
	11	Notice of Allowance mailed on 06 September 2013, issued in connection with U.S. Patent Application No. 13/619237, filed on 14 September 2012, 10 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Notice of Allowance mailed on 07 April 2016, issued in connection with U.S. Patent Application No. 13/533105, filed on 26 June 2012, 40 pages.	
	13	Notice of Allowance mailed on 07 December 2016, issued in connection with U.S. Patent Application No. 15/156392, filed on 17 May 2016, 9 pages.	
	14	Notice of Allowance mailed on 07 October 2015, issued in connection with U.S. Patent Application No. 14/184526, filed on 19 February 2014, 7 pages.	
	15	Notice of Allowance mailed on 09 March 2017, issued in connection with U.S. Patent Application No. 15/080591, filed on 25 March 2016, 7 pages.	
	16	Notice of Allowance mailed on 09 October 2015, issued in connection with U.S. Patent Application No. 13/435739, filed on 30 March 2012, 4 pages.	
	17	Notice of Allowance mailed on 10 August 2015, issued in connection with U.S. Patent Application No. 13/848904, filed on 22 March 2013, 9 pages.	
	18	Notice of Allowance mailed on 10 February 2017, issued in connection with U.S. Application No. 14/290493, filed on 29 May 2014, 13 pages.	
	19	Notice of Allowance mailed on 10 November 2011, issued in connection with U.S. Patent Application No. 11/906702, filed on 02 October 2007, 17 pages.	
	20	Notice of Allowance mailed on 11 April 2016, issued in connection with U.S. Patent Application No. 13/864247, filed on 17 April 2013, 21 pages.	
	21	Notice of Allowance mailed on 11 January 2016, issued in connection with U.S. Patent Application No. 14/564544, filed on 09 December 2014, 5 pages.	
	22	Notice of Allowance mailed on 12 August 2015, issued in connection with U.S. Patent Application No. 13/435739, filed on 30 March 2012, 27 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Notice of Allowance mailed on 12 July 2017, issued in connection with U.S. Patent Application No. 13/894179, filed on 14 May 2013, 10 pages.	
	24	Notice of Allowance mailed on 13 December 2016, issued in connection with U.S. Patent Application No. 15/080591, filed on 25 March 2016, 9 pages.	
	25	Notice of Allowance mailed on 13 July 2015, issued in connection with U.S. Patent Application No. 14/184526, filed on 19 February 2014, 22 pages.	
	26	Notice of Allowance mailed on 13 July 2017, issued in connection with U.S. Patent Application No. 13/895076, filed on 15 May 2013, 10 pages.	
	27	Notice of Allowance mailed on 13 November 2013, issued in connection with U.S. Patent Application No. 13/724048, filed 21 December 2012, 7 pages.	
	28	Notice of Allowance mailed on 13 October 2015, issued in connection with U.S. Patent Application No. 13/864251, filed on 17 April 2013, 7 pages.	
	29	Notice of Allowance mailed on 14 August 2012, issued in connection withU.S. Patent Application No. 11/147116, filed on 06 June 2005, 33 pages.	
	30	Notice of Allowance mailed on 14 December 2016, issued in connection with U.S. Patent Application No. 15/088906, filed on 01 April 2016, 9 pages.	
	31	Notice of Allowance mailed on 14 June 2012, issued in connection with U.S. Patent Application No. 12/035112, filed on 21 February 2008, 9 pages.	
	32	Notice of Allowance mailed on 15 July 2015, issued in connection with U.S. Patent Application No. 13/705174, filed on 05 December 2012, 18 pages.	
	33	Notice of Allowance mailed on 15 March 2017, issued in connection with U.S. Patent Application No. 15/080716, filed on 25 March 2016, 7 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Notice of Allowance mailed on 15 November 2019, issued in connection with U.S. Patent Application No. 16/298515, filed on 11 March 2019, 8 pages.
	35	Notice of Allowance mailed on 16 June 2009, issued in connection with U.S. Patent Application No. 10/861653, filed on 05 June 2004, 11 pages.
	36	Notice of Allowance mailed on 17 July 2015, issued in connection with U.S. Patent Application No. 13/864251, filed on 17 April 2013, 20 pages.
	37	Notice of Allowance mailed on 17 May 2018, issued in connection with U.S. Patent Application No. 14/805085, filed on 21 July 2015, 18 pages.
	38	Notice of Allowance mailed on 18 July 2014, issued in connection with U.S. Patent Application No. 13/618829, filed on 14 September 2012, 8 pages.
	39	Notice of Allowance mailed on 19 May 2015, issued in connection with U.S. Patent Application No. 13/907666, filed on 31 May 2013, 7 pages.
	40	Notice of Allowance mailed on 19 October 2016, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 14 pages.
	41	Notice of Allowance mailed on 2 April 2020, issued in connection with U.S. Patent Application No. 15/091113, filed on 5 April 2016, 8 pages.
	42	Notice of Allowance mailed on 21 September 2015, issued in connection with U.S. Patent Application No. 13/297000, filed on 15 November 2011, 11 pages.
	43	Notice of Allowance mailed on 22 December 2016, issued in connection with U.S. Patent Application No. 15/080716, filed on 25 March 2016, 9 pages.
	44	Notice of Allowance mailed on 22 September 2015, issued in connection with U.S. Patent Application No. 13/888203, filed on 06 May 2013, 7 pages.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Notice of Allowance mailed on 23 November 2016, issued in connection with U.S. Patent Application No. 14/803953, filed on 20 July 2015, 21 pages.	
	46	Notice of Allowance mailed on 24 September 2015, issued in connection with U.S. Patent Application No. 13/705174, filed on 05 December 2012, 7 pages.	
	47	Notice of Allowance mailed on 24 September 2015, issued in connection with U.S. Patent Application No. 14/184935, filed on 20 February 2014, 7 pages.	
	48	Notice of Allowance mailed on 24 September 2019, issued in connection with U.S. Patent Application No. 16/298515, filed on 11 March 2019, 8 pages.	
	49	Notice of Allowance mailed on 25 April 2017, issued in connection with U.S. Patent Application No. 15/156392, filed on 17 May 2016, 8 pages.	
	50	Notice of Allowance mailed on 25 September 2014, issued in connection with U.S. Patent Application No. 14/176808, filed on 10 February 2014, 5 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	JAPANESE PATENT OFFICE, Office Action mailed on 29 March 2016, issued in connection with Japanese Patent Application No. JP2015-520288, 12 pages.	
	2	JAPANESE PATENT OFFICE, Office Action mailed on 29 November 2016, issued in connection with Japanese Application No. 2015-516169, 4 pages.	
	3	JAPANESE PATENT OFFICE, Office Action Summary mailed on 02 February 2016, issued in connection with Japanese Patent Application No. 2015-520286, 6 pages.	
	4	JAPANESE PATENT OFFICE, Office Action Summary mailed on 19 November 2013, issued in connection with Japanese Patent Application No. 2012-178711, 5 pages.	
	5	JO et al., "Synchronized One-to-many Media Streaming with Adaptive Playout Control," Proceedings of SPIE, 2002, pp. 71-82, Vol. 4861.	
	6	Johnson, Ian. SMC EZ-Stream Universal Wireless Multimedia Receiver - The Globe and Mail, 3 December 2003, 6 pages.	
	7	JONES, Stephen, "Dell Digital Audio Receiver: Digital upgrade for your analog stereo," Analog Stereo, 24 June 2000 http://www.reviewsonline.com/articles/961906864.htm retrieved 18 June 2014, 2 pages.	
	8	Kostiainen, K., Intuitive Security Initiation Using Location-Limited Channels. Helsinki University of Technology, Master's Thesis 14 April 2004, 86 pages.	
	9	KOU et al., "RenderingControl:1 Service Template Verion 1.01," Contributing Members of the UPnP Forum, June 25, 2002, 63 pages.	
	10	Kraemer, Alan. Two Speakers Are Better Than 5.1 - IEEE Spectrum, 1 May 2001, 6 pages.	
	11	LA Audio ZX135E 6 Zone Expander. Pro Audio Design Pro. Inc. https://www.proaudiodesign.com/products/la-audio-zx135e-6-zone-expander, accessed March 26, 2020, 6 pages. .	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Lake Processors: Lake® LM Series Digital Audio Processors Operation Manual, 2011, 71 pages.	
	13	LEVERGOOD et al., "AudioFile: A Network-Transparent System for Distributed Audio Applications," Digital Equipment Corporation, 1993, 109 pages.	
	14	LG: RJP-201M Remote Jack Pack Installation and Setup Guide, 2010, 24 pages.	
	15	LIENHART et al., "On the Importance of Exact Synchronization for Distributed Audio Signal Processing," Session L: Poster Session II - ICASSP'03 Papers, 2002, 1 page.	
	16	Linksys 2.4GHz Wireless-B - User Guide Media Link for Music Model WML11B/WMLS11B, 68 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	17	Linksys 2.4GHz Wireless-B - User Guide V2 Model WMA11B, 68 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	18	LinkSys by Cisco, Wireless Home Audio Controller, Wireless-N Touchscreen Remote DMRW1000 Datasheet, Copyright 2008, 2 pages.	
	19	LinkSys by Cisco, Wireless Home Audio Controller, Wireless-N Touchscreen Remote DMRW1000 User Guide, Copyright 2008, 64 pages.	
	20	LinkSys by Cisco, Wireless Home Audio Player, Wireless-N Music Extender DMP100 Quick Installation Guide, Copyright 2009, 32 pages.	
	21	LinkSys by Cisco, Wireless Home Audio Player, Wireless-N Music Extender DMP100 User Guide, Copyright 2008, 65 pages.	
	22	Linksys. Quick Installation for Windows XP ONLY. Wireless-B Media Adapter, 2 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Linksys. Wireless Adapters, 2003, 2 pages.	
	24	Linksys Wireless Music Network Setup, 76 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	25	Linksys. Wireless PrintServer, User Guide, Model No.: WPS11 Version 3, 2002, 31 pages.	
	26	Linksys Wireless-B Media Adapter - User Guide V1 Model WMA11B, 2003, 32 pages.	
	27	Linksys. Wireless-B Media Adapter, Product Data, Model No.: WMA11B, 2003, 2 pages.	
	28	Linksys. Wireless-B Media Adapter, WMA11B, 2003, 2 pages.	
	29	Linux SDK for UPnP Devices v. 1.2 (Sep. 6, 2002) (101 pages).	
	30	"Linux SDK for UPnP Devices vl.2," Intel Corporation, January 17, 2003, 102 pages.	
	31	LIU et al., "A synchronization control scheme for real-time streaming multimedia applications," Packet Video, 2003, 10 pages, Vol. 2003.	
	32	LIU et al., "Adaptive Delay Concealment for Internet Voice Applications with Packet-Based Time-Scale Modification," Information Technologies 2000, pp. 91-102.	
	33	Ljungstrand et al. UBICOMP 2002, Adjunct Proceedings, Fourth International Conference on Ubiquitous Computing, 2002, 90 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Logitech Slimserver. Server for Logitech Squeezebox Players. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	35	Logitech/slimserver. Github. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	36	Logitech/Slimserver. Github. Version 2.3 Release. 19 May 2002. 2 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	37	LOUDERBACK, Jim, "Affordable Audio Receiver Furnishes Homes With MP3," TechTV Vault. 28 June 2000 retrieved 10 July 2014, 2 pages.	
	38	Malik, Om. Wi-Fi Goes Hi-Fi. MIT Technology Review, 18 April 2003, 8 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	39	Maniactools, "Identify Duplicate Files by Sound," 09/28/2010, http://www.maniactools.com/soft/music-duplicate-remover/identify-duplicate-files-by-sound.shtml.	
	40	Marchetti, Nino. EdgeReview, CES 2003 Home Network Entertainment, 28 January 2003, 2 pages.	
	41	McGlaun, Shane. Best Buy unveils new Rocketboost RF-RBKIT whole home audio solution and more. 22 October 2009, 7 pages.	
	42	MediaLounge Entertainment Network D-Link DSM-320 Wireless Media Player Manual v 1.0, 59 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	43	MediaRenderer:1 Device Template Version 1.01 For UPnP, Version 1.0 (June 25, 2002) (12 pages).	
	44	MediaServer:1 Device Template Version 1.01 For UPnP, Version 1.0 (June 25, 2002) (12 pages).	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Microsoft, Universal Plug and Play (UPnP) Client Support ("Microsoft UPnP") (August 2001) (D+M_0402007-24) (18 pages).	
	46	Microsoft Window's XP Reviewer's Guide (August 2001) (D+M_0402225-85) (61 pages).	
	47	"Microsoft Windows XP File and Printer Share with Microsoft Windows" Microsoft Windows XP Technical Article, 2003, 65 pages.	
	48	Microsoft Windows XP Student Edition Complete. University of Salford. Custom Guide Learn on Demand, 2004, 369 pages.	
	49	Micro-Star International. 865PE Neo2. MS-6728 v1.X ATX Mainboard. Version 1.1. April 2003, 118 pages.	
	50	Miller II, Stanley. Technology gets simpler and smarter. JSOnline Milwaukee Journal Sentinel, 13 January 2003, 3 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Philips Media Manager 3.3.12.0004 Release Notes, last modified 29 August 2006, 2 pages.	
	2	Philips. Media Manager Software - English version: PMM 3.3.12, software/ source code available via zip file ("Media Manager Software - English") published September 15, 2004, 3 pages [online], [retrieved on 2020-02-24]. Retrieved from the Internet URL : https://www.usa.philips.com/c-p/MCW770_37/-/support.	
	3	Philips. PC Software version: V.12.1, software/ source code available via zip file ("PC Software") published September 15, 2004, 3 pages [online], [retrieved on 2020-02-24]. Retrieved from the Internet URL : https://www.usa.philips.com/c-p/MCW770_37/-/support.	
	4	Philips.Wireless PC Link Micro MCW770 Custom Installation, User Manual, published August 24, 2004, 61 pages.	
	5	PILLAI et al., "A Method to Improve the Robustness of MPEG Video Applications over Wireless Networks," Kent Ridge Digital Labs, 2000, 15 pages.	
	6	Pinnacle ShowCenter. Pinnacle Systems, March 2005, 132 pages.	
	7	Pohlmann, Ken. Omnifi DMS1 Wi-Fi Media Receiver. Sound & Vision, 20 October 2003, 7 pages.	
	8	Polycom Conference Composer User Guide, copyright 2001, 29 pages.	
	9	Pre-Brief Conference Decision mailed on 11 May 2017, issued in connection with U.S. Patent Application No. 14/504812, filed on 2 October 2014, 2 pages.	
	10	Pre-Interview First Office Action mailed on 10 March 2015, issued in connection with U.S. Patent Application No. 14/505027, filed on 02 October 2014, 4 pages.	
	11	Presentations at WinHEC 2000, May 2000, 138 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	PRISMIQ, Inc., "PRISMIQ Media Player User Guide," 2003, 44 pages.	
	13	Proficient Audio Systems M6 Quick Start Guide, 2011, 5 pages.	
	14	Proficient Audio Systems: Proficient Editor Advanced Programming Guide, 2007, 40 pages.	
	15	Programming Interface for WL54040 Dual-Band Wireless Transceiver, AVAGO0066, Agere Systems, May 2004, 16 pages.	
	16	Publishing Network Services. Apple Developer Connection. Rendezous Network Services: Publishing Network Services, 12 November 2002, 6 pages.	
	17	Radio Shack, "Auto-Sensing 4-Way Audio/Video Selector Switch," 2004, 1 page.	
	18	RadioShack, Pro-2053 Scanner, 2002 Catalog, part 1, 100 pages.	
	19	RadioShack, Pro-2053 Scanner, 2002 Catalog, part 2, 100 pages.	
	20	RadioShack, Pro-2053 Scanner, 2002 Catalog, part 3, 100 pages.	
	21	RadioShack, Pro-2053 Scanner, 2002 Catalog, part 4, 100 pages.	
	22	RadioShack, Pro-2053 Scanner, 2002 Catalog, part 5, 46 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	RANGAN et al., "Feedback Techniques for Continuity and Synchronization in Multimedia Information Retrieval," ACM Transactions on Information Systems, 1995, pp. 145-176, Vol. 13, No. 2.	
	24	Real Time Control Protocol (RTCP) and Realtime Transfer Protocol (RTP), RFC 1889 (Jan. 1996) (D+M_0397810-84) (75 pages).	
	25	Realtime Streaming Protocol (RTSP), RFC 2326 (Apr. 1998) (D+M_0397945-8036) (92 pages).	
	26	Realtime Transport Protocol (RTP), RFC 3550 (July 2003) (D+M_0398235-323) (89 pages).	
	27	Re-Exam Final Office Action mailed on 5 August 2015, issued in connection with U.S. Patent Application No. 90/013423, filed on 5 January 2015, 25 pages.	
	28	Reexam Non-Final Office Action mailed on 09 November 2016, issued in connection with U.S. Patent Application No. 90/013774, filed on 29 June 2016, 35 pages.	
	29	Re-Exam Non-Final Office Action mailed on 22 April 2015, issued in connection with U.S. Patent Application No. 90/013423, filed on 05 January 2015, 16 pages.	
	30	REID, Mark, "Multimedia conferencing over ISDN and IP networks using ITU-T H-series recommendations: architecture, control and coordination," Computer Networks, 1999, pp. 225-235, Vol. 31.	
	31	RenderingControl:1 Service Template Version 1.01 For UPnP, Version 1.0, (June 25, 2002) (SONDM000115187-249) (63 pages).	
	32	Rendezous Network Services: Resolving and Using Network Services. Apple Developer Connection, 12 November 2002, 5 pages.	
	33	Rendezvous Network Services: About Rendezvous. Apple Developer Connection, 12 November 2002, 5 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Renewed Request for Ex Parte Re-Examination, U.S. Application No. 90/013959 filed 16 June 2017, 126 pages.	
	35	Renkus Heinz Manual; available for sale at least 2004, 6 pages.	
	36	Request for Ex Parte Reexamination submitted in U.S. Patent 9213357 on May 22, 2017, 85 pages.	
	37	"Residential Distributed Audio Wiring Practices," Leviton Network Solutions, 2001, 13 pages.	
	38	RITCHIE et al., "MediaServer:1 Device Template Version 1.01," Contributing Members of the UPnP Forum, June 25, 2002, 12 pages.	
	39	RITCHIE et al., "UPnP AV Architecture:1, Version 1.0," Contributing Members of the UPnP Forum, June 25, 2002, 22 pages.	
	40	RITCHIE, John, "MediaRenderer:1 Device Template Version 1.01," Contributing Members of the UPnP Forum, June 25, 2002, 12 pages.	
	41	Rocketfish. Digital Wireless Speakers. RF-WS01/WS01-W/WS02 User Guide, 2008, 28 pages.	
	42	Rocketfish. Wireless Outdoor Speaker. RF-RBWS02 User Guide, 2009, 33 pages.	
	43	Rocketfish Wireless Outdoor Speaker RF-RBWS02 User Guide, 2009, 33 pages. .	
	44	Roku SoundBridge Network Music Player User Guide v2.5, 2006, 40 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	ROLAND CORPORATION, "Roland announces BA-55 Portable PA System," press release, April 6, 2011, 2 pages.	
	46	Rose, B., Home Networks: A Standards Perspective. In-Home Networking, IEEE Communications Magazine, December 2001, 8 pages.	
	47	ROTHERMEL et al., "An Adaptive Protocol for Synchronizing Media Streams," Institute of Parallel and Distributed High-Performance Systems (IPVR), 1997, 26 pages.	
	48	ROTHERMEL et al., "An Adaptive Stream Synchronization Protocol," 5th International Workshop on Network and Operating System Support for Digital Audio and Video, 1995, 13 pages.	
	49	ROTHERMEL et al., "An Adaptive Stream Synchronization Protocol," 5th International Workshop on Network and Operating System Support for Digital Audio and Video, April 18-21, 1995, 12 pages.	
	50	ROTHERMEL et al., "Clock Hierarchies- An Abstraction for Grouping and Controlling Media Streams," University of Stuttgart Institute of Parallel and Distributed High-Performance Systems, January 1996, 23 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	RE41608		2010-08-31	BLAIR; Christopher Douglas et al.	
	2	D260764	S	1981-09-15	CASTAGNA; John F. et al.	
	3	D279779	S	1985-07-23	TAYLOR; Terrance N.	
	4	D293671	S	1988-01-12	BEAUMONT; Thomas G.	
	5	D301037	S	1989-05-09	MATSUDA; Hari	
	6	D304443	S	1989-11-07	GRINYER; Clive A. et al.	
	7	D313023	S	1990-12-18	KOLENDA; David F. et al.	
	8	D313398	S	1991-01-01	GILCHRIST; Thomas L.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	9	D313600	S	1991-01-08	WEBER; Edward W.	
	10	D320598	S	1991-10-08	AUERBACH; Marc et al.	
	11	D322609	S	1991-12-24	PATTON; Douglas M.	
	12	D326450	S	1992-05-26	WATANABE; Katsuhito	
	13	D327060	S	1992-06-16	WACHOB; David E. et al.	
	14	D331388	S	1992-12-01	DAHNERT; Dean L. et al.	
	15	D333135	S	1993-02-09	WACHOB; David E. et al.	
	16	D350531	S	1994-09-13	TSUJI; Masao	
	17	D350962	S	1994-09-27	REARDON; John D. et al.	
	18	D354059	S	1995-01-03	HENDRICKS; John S.	
	19	D354751	S	1995-01-24	HERSH; Joseph B. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	20	D356093	S	1995-03-07	McCAULEY; Gilbert L. et al.	
	21	D356312	S	1995-03-14	ALTHANS; Richard K.	
	22	D357024	S	1995-04-04	TOKIYAMA; Masaru et al.	
	23	D362446	S	1995-09-19	GASIOREK; John G. et al.	
	24	D363933	S	1995-11-07	STARCK; Philippe	
	25	D364877	S	1995-12-05	TOKIYAMA; Masaru et al.	
	26	D364878	S	1995-12-05	GREEN; Dewayne E. et al.	
	27	D365102	S	1995-12-12	GIOSCIA; Richard	
	28	D366044	S	1996-01-09	HARA; Masayuki et al.	
	29	D372716	S	1996-08-13	THORNE; Edwin	
	30	D377651	S	1997-01-28	BIASOTTI; Mark et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	31	D379816	S	1997-06-10	LAITURI; David W. et al.	
	32	D380752	S	1997-07-08	HANSON; Bruce D.	
	33	D382271	S	1997-08-12	AKWIWU; Ndukwe	
	34	D384940	S	1997-10-14	KONO; Kenichiro et al.	
	35	D387352	S	1997-12-09	KANEKO; Steven T. et al.	
	36	D388792	S	1998-01-06	NYKERK; Michael	
	37	D389143	S	1998-01-13	WICKS; James E.	
	38	D392641	S	1998-03-24	FENNER; Knut T.	
	39	D393628	S	1998-04-21	LEDBETTER; Carl J. et al.	
	40	D394659	S	1998-05-26	BIASOTTI; Mark et al.	
	41	D395889	S	1998-07-07	GERBA; George et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	42	D397996	S	1998-09-08	SMITH; Michael A.	
	43	D401587	S	1998-11-24	RUDOLPH; Daniel L.	
	44	D404741	S	1999-01-26	SCHUMAKER; Nevenka et al.	
	45	D405071	S	1999-02-02	GAMBARO; Thomas L.	
	46	D406847	S	1999-03-16	GERBA; George et al.	
	47	D407071	S	1999-03-23	KEATING; Virginia Walker	
	48	D410927	S	1999-06-15	YAMAGISHI; Yoshinobu	
	49	D412337	S	1999-07-27	HAMANO; Masataka	
	50	D415496	S	1999-10-19	GERBA; George et al.	
	51	D416021	S	1999-11-02	GODETTE; Robert G. et al.	
	52	D420006	S	2000-02-01	TONINO; Eduardus Josephus Anna Maria	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	53	D429246	S	2000-08-08	HOLMA; Tapani	
	54	D430143	S	2000-08-29	RENK; Thomas Edward	
	55	D431552	S	2000-10-03	BACKS; Jochen Philipp et al.	
	56	D432525	S	2000-10-24	BEECROFT; Troy C.	
	57	D444475		2001-07-03	LEVEY; Keith P. et al.	
	58	D444475		2001-07-03	LEVEY; Keith P. et al.	
	59	D452520		2001-12-25	GOTHAM; David R. et al.	
	60	D462339		2002-09-03	ALLEN; Paul G. et al.	
	61	D462340		2002-09-03	ALLEN; Paul G. et al.	
	62	D462945		2002-09-17	SKULLEY; Gerald W.	
	63	D466108		2002-11-26	GLODAVA; Derrick A. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	64	D468297		2003-01-07	IKEDA; Tetsuya	
	65	D474763		2003-05-20	TOZAKI; RAY et al.	
	66	D475993		2003-06-17	MEYER; Robert K.	
	67	D476643		2003-07-01	YAMAGISHI; Masayuki	
	68	D477310		2003-07-15	MORANSAIS; Charles	
	69	D478051		2003-08-05	SAGAWA; So	
	70	D478069		2003-08-05	BECK; Benjamin et al.	
	71	D478896		2003-08-26	SUMMERS; KIM Renee	
	72	D479520		2003-09-09	DE; Saulles Stephen	
	73	D481056		2003-10-21	KAWASAKI; Mugio et al.	
	74	D486145		2004-02-03	KAMINSKI; Dariusz S. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	75	D491925		2004-06-22	GRIESAU; Gene W. et al.	
	76	D493148		2004-07-20	SHIBATA; Kumiko et al.	
	77	D495333		2004-08-31	BORSBOOM; Antonious M.	
	78	D496003		2004-09-14	SPIRA; Joel S.	
	79	D496005		2004-09-14	WANG; Carter	
	80	D496335		2004-09-21	SPIRA; Joel S.	
	81	D497363		2004-10-19	OLSON; Mark H. et al.	
	82	D499086		2004-11-30	POLITO; Fred	
	83	D499395		2004-12-07	HSU; Gary	
	84	D499718		2004-12-14	CHEN; Alex	
	85	D500015		2004-12-21	GUBBE; Bernd	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	86	D501477		2005-02-01	HALL; David	
	87	D504872		2005-05-10	UEHARA; Mitsuhiro et al.	
	88	D504885		2005-05-10	ZHANG; Jinsong et al.	
	89	D506463		2005-06-21	DANIELS; Wilfried Johan Paul Ferdinand	
	90	D515072		2006-02-14	LEE; Nikolas IAN	
	91	D515557		2006-02-21	OKULEY; James M.	
	92	D518475		2006-04-04	YANG; Yu-Ching et al.	
	93	D524296		2006-07-04	KITA; Toshiyuki	
	94	D527375		2006-08-29	FLORA; William T. et al.	
	95	3956591		1976-05-11	GATES Jr. WILLIAM A;	
	96	4105974		1978-08-08	ROGERS; Edwin F.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	97	4296278		1981-10-20	CULLISON; Steven B. et al.	
	98	4306114		1981-12-15	CALLAHAN; Jeffery C.	
	99	4509211		1985-04-02	ROBBINS; Michael S.	
	100	4530091		1985-07-16	CROCKETT; Gary B.	
	101	4661902		1987-04-28	HOCHSPRUNG; Ronald R. et al.	
	102	4689786		1987-08-25	SIDHU; Gursharan S. et al.	
	103	4696037		1987-09-22	FIERENS; Gustaaf E. M.	
	104	4701629		1987-10-20	CITROEN; Maxime H.	
	105	4712105		1987-12-08	KOEHLER; Hans E. P.	
	106	4731814		1988-03-15	BECKER; William R. et al.	
	107	4816989		1989-03-28	FINN; Alan M. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	108	4824059		1989-04-25	BUTLER, I; LES	
	109	4845751		1989-07-04	SCHWAB; Brian H.	
	110	4994908		1991-02-19	KUBAN; Curt M. et al.	
	111	5086385		1992-02-04	LAUNEY; Reuel O. et al.	
	112	5151922		1992-09-29	WEISS; Karl R.	
	113	5153579		1992-10-06	FISCH; Kenneth D. et al.	
	114	5182552		1993-01-26	PAYNTING; Richard J.	
	115	5185680		1993-02-09	KAKUBO; Yuji	
	116	5198603		1993-03-30	NISHIKAWA; Masashi et al.	
	117	5237327		1993-08-17	SAITOH; Mitsumasa et al.	
	118	5239458		1993-08-24	SUZUKI; Takashi	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	119	5272757		1993-12-21	SCOFIELD; William C. et al.	
	120	5299266		1994-03-29	LUMSDEN; John L.	
	121	5313524		1994-05-17	VAN HULLE; Steven T. F. et al.	
	122	5361381		1994-11-01	SHORT; William R.	
	123	5372441		1994-12-13	LOUIS; William M.	
	124	5406634		1995-04-11	ANDERSON; Charles W. [Us] et al.	
	125	5430485		1995-07-04	LANKFORD; Douglas E. et al.	
	126	5440644		1995-08-08	FARINELLI; Robert [Us] et al.	
	127	5457448		1995-10-10	TOTSUKA; Keiichi et al.	
	128	5467342		1995-11-14	LOGSTON; Gary L. et al.	
	129	5481251		1996-01-02	BUYS; Menno et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	130	5491839		1996-02-13	SCHOTZ; Larry	
	131	5515345		1996-05-07	BARREIRA; Jeane K. et al.	
	132	5533021		1996-07-02	BRANSTAD; Mark W. et al.	
	133	5553147		1996-09-03	PINEAU; Joseph E. M.	
	134	5553222		1996-09-03	MILNE; Steve H. et al.	
	135	5553314		1996-09-03	GRUBE; Gary W. et al.	
	136	5596696		1997-01-21	TINDELL; James M. et al.	
	137	5602992		1997-02-11	DANNEELS; Gunner	
	138	5623483		1997-04-22	AGRAWAL; Prathima et al.	
	139	5625350		1997-04-29	FUKATSU; Hitoshi et al.	
	140	5633871		1997-05-27	BLOKS; Rudolf H. J.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	141	5636345		1997-06-03	VALDEVIT; Ezio	
	142	5640388		1997-06-17	WOODHEAD; Douglas F. et al.	
	143	5642171		1997-06-24	BAUMGARTNER; Donn M. et al.	
	144	5652749		1997-07-29	DAVENPORT; David William et al.	
	145	5661665		1997-08-26	GLASS; Adam et al.	
	146	5661728		1997-08-26	FINOTELLO; Andrea et al.	
	147	5668884		1997-09-16	CLAIR, Jr.; ROY Barry et al.	
	148	5673323		1997-09-30	SCHOTZ; Larry et al.	
	149	5696896		1997-12-09	BADOVINATZ; Peter Richard et al.	
	150	5726989		1998-03-10	DOKIC; Miroslav V.	
	151	5732059		1998-03-24	KATSUYAMA; Akira et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	152	5740235		1998-04-14	LESTER; James William et al.	
	153	5742623		1998-04-21	NUBER; RAY et al.	
	154	5751819		1998-05-12	DORROUGH; Michael L.	
	155	5761320		1998-06-02	FARINELLI; Robert et al.	
	156	5774016		1998-06-30	KETTERER; Ernest R.	
	157	5787249		1998-07-28	BADOVINATZ; Peter Richard et al.	
	158	5790543		1998-08-04	CLOUTIER; LEO	
	159	5808662		1998-09-15	KINNEY; Daniel Reid et al.	
	160	5812201		1998-09-22	YOO; Ki Ryung	
	161	5815689		1998-09-29	SHAW; George H. J. et al.	
	162	5818948		1998-10-06	GULICK; Dale E.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	163	5832024		1998-11-03	SCHOTZ; Larry et al.	
	164	5838909		1998-11-17	ROY; H. Scott et al.	
	165	5848152		1998-12-08	SLIPY; Michael J. et al.	
	166	5852722		1998-12-22	HAMILTON; Graham	
	167	5852744		1998-12-22	AGATONE; Kevin et al.	
	168	5867691		1999-02-02	SHIRAISHI; Hajime	
	169	5875233		1999-02-23	COX; Daniel R.	
	170	5875354		1999-02-23	CHARLTON; Paul et al.	
	171	5887143		1999-03-23	SAITO; Masahiko et al.	
	172	5905768		1999-05-18	MATURI; Greg et al.	
	173	5910990		1999-06-08	JANG; Dae-Young	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	174	5917830		1999-06-29	CHEN; David et al.	
	175	5923869		1999-07-13	KASHIWAGI; Yoshiichiro et al.	
	176	5923902		1999-07-13	INAGAKI; Yoshihiro	
	177	5946343		1999-08-31	SCHOTZ; Larry et al.	
	178	5956025		1999-09-21	GOULDEN; Lorna et al.	
	179	5956088		1999-09-21	SHEN; Paul et al.	
	180	5960006		1999-09-28	MATURI; Greg et al.	
	181	5960167		1999-09-28	ROBERTS; John T. et al.	
	182	5984512		1999-11-16	JONES; Anthony Mark et al.	
	183	5987525		1999-11-16	ROBERTS; Dale Tyson et al.	
	184	5987611		1999-11-16	FREUND; Gregor	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	185	5990884		1999-11-23	DOUMA; Peter et al.	
	186	5991307		1999-11-23	KOMURO; Teruyoshi et al.	
	187	5999906		1999-12-07	MERCS; Laura et al.	
	188	6006275		1999-12-21	PICAZO et al.	
	189	6009457		1999-12-28	MOLLER; Matthew Donaldson	
	190	6018376		2000-01-25	NAKATANI; Shintarou	
	191	6026150		2000-02-15	FRANK; Edward H. et al.	
	192	6026297		2000-02-15	HAARTSEN; Jacobus Cornelis	
	193	6029196		2000-02-22	LENZ; Michael A.	
	194	6031818		2000-02-29	LO; W. Steven et al.	
	195	6032202		2000-02-29	LEA; Rodger J. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	196	6038614		2000-03-14	CHAN; RIX S. et al.	
	197	6046550		2000-04-04	FERENCE; Jonathan H. et al.	
	198	6061457		2000-05-09	STOCKHAMER; LEE	
	199	6078725		2000-06-20	TANAKA; Mitsumasa	
	200	6081266		2000-06-27	SCIAMMARELLA; Eduardo	
	201	6085236		2000-07-04	LEA; Rodger J.	
	202	6088063		2000-07-11	SHIBA; Kosuke	
	203	6101195		2000-08-08	LYONS; Paul Wallace et al.	
	204	6108485		2000-08-22	KIM; Jeong-Kyu	
	205	6108686		2000-08-22	WILLIAMS Jr. HENRY R;	
	206	6119239		2000-09-12	FUJII; Kazuo	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	207	6122668		2000-09-19	TENG; Peter Y. et al.	
	208	6122749		2000-09-19	GULICK; Dale A.	
	209	6127941		2000-10-03	VAN RYZIN; John M.	
	210	6128318		2000-10-03	SATO; Takashi	
	211	6131130		2000-10-10	VAN RYZIN; John M.	
	212	6148205		2000-11-14	COTTON; Timothy R.	
	213	6154772		2000-11-28	DUNN; Bryan W. et al.	
	214	6157957		2000-12-05	BERTHAUD; Jean-Marc	
	215	6163647		2000-12-19	TERASHIMA; Masaru et al.	
	216	6169725		2001-01-02	GIBBS; Simon J. et al.	
	217	6175872		2001-01-16	NEUMANN; Eric K. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	218	6181383		2001-01-30	FOX; Edward C. et al.	
	219	6185737		2001-02-06	NORTHCUTT; J. Duane et al.	
	220	6195435		2001-02-27	KITAMURA; John S.	
	221	6195436		2001-02-27	SCIBORA; Marco et al.	
	222	6199169		2001-03-06	VOTH; Duane J.	
	223	6208846		2001-03-27	CHEN; Young-Kai et al.	
	224	6212282		2001-04-03	MERSHON; Stuart	
	225	6246701		2001-06-12	SLATTERY; William	
	226	6253293		2001-06-26	RAO; Raghunath et al.	
	227	6255961		2001-07-03	VAN; Ryzin John M. [Us] et al.	
	228	6256554		2001-07-03	DILORENZO; Mark	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	229	6269406		2001-07-31	DUTCHER; David Paul et al.	
	230	6301012		2001-10-09	WHITE; Craig R. et al.	
	231	6308207		2001-10-23	TSENG; Weinan William et al.	
	232	6310652		2001-10-30	LI; Stephen et al.	
	233	6313879		2001-11-06	KUBO; Hiroaki et al.	
	234	6321252		2001-11-20	BHOLA; Sumeer et al.	
	235	6324586		2001-11-27	JOHNSON; Aric R.	
	236	6332147		2001-12-18	MORAN; Thomas P. et al.	
	237	6336219		2002-01-01	NATHAN; Guy	
	238	6343028		2002-01-29	KUWAOKA; Toshiharu	
	239	6349285		2002-02-19	LIU; Pu et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	240	6349339		2002-02-19	WILLIAMS; Henry R.	
	241	6349352		2002-02-19	LEA; Rodger J.	
	242	6351821		2002-02-26	VOTH; Duane J.	
	243	6353172		2002-03-05	FAY; Todor C. et al.	
	244	6356871		2002-03-12	HEMKUMAR; Nariankadu Datatreya et al.	
	245	6404811		2002-06-11	CVETKO; John F. et al.	
	246	6418150		2002-07-09	STAATS; Erik P.	
	247	6430353		2002-08-06	HONDA; Susumu et al.	
	248	6442443		2002-08-27	FUJII; Kazuo et al.	
	249	6446080		2002-09-03	VAN; Ryzin John M. et al.	
	250	6449642		2002-09-10	BOURKE-DUNPHY; Erin Marie et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	251	6449653		2002-09-10	KLEMETS; Anders Edgar et al.	
	252	6456783		2002-09-24	ANDO; Hideo et al.	
	253	6463474		2002-10-08	FUH; Tzong-Fen et al.	
	254	6466832		2002-10-15	ZUQERT; Benjamin et al.	
	255	6469633		2002-10-22	WACHTER; Martin Richard [Us] et al.	
	256	6487296		2002-11-26	ALLEN; Steven W. et al.	
	257	6493832		2002-12-10	ITAKURA; Eisaburo et al.	
	258	6522886		2003-02-18	YOUNGS; Edward A. et al.	
	259	6526325		2003-02-25	SUSSMAN; Robert et al.	
	260	6526411		2003-02-25	WARD; Sean	
	261	6535121		2003-03-18	MATHNEY; Richard K. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	262	6571103		2003-05-27	NOVAKOV; Emil P.	
	263	6587127		2003-07-01	LEEKE; Steven D. et al.	
	264	6598172		2003-07-22	VANDEUSEN; Mark P. et al.	
	265	6611537		2003-08-26	EDENS; Glenn T. et al.	
	266	6611813		2003-08-26	BRATTON; Timothy Robert	
	267	6631410		2003-10-07	KOWALSKI; John Michael [Us] et al.	
	268	6636269		2003-10-21	BALDWIN; James A.	
	269	6639584		2003-10-28	LI; Chuang	
	270	6653899		2003-11-25	ORGANVIDEZ; Juan H. et al.	
	271	6654720		2003-11-25	GRAHAM; Stephen Glen et al.	
	272	6654956		2003-11-25	TRINH; Vincent et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	273	6658091		2003-12-02	NAIDOO; Surendra N. et al.	
	274	6674803		2004-01-06	KESSELRING; William David	
	275	6684060		2004-01-27	CURTIN; Steven D.	
	276	6686838		2004-02-03	REZVANI; Babak et al.	
	277	6687664		2004-02-03	SUSSMAN; Robert et al.	
	278	6703940		2004-03-09	ALLEN; William A. et al.	
	279	6704421		2004-03-09	KITAMURA; John S.	
	280	6732176		2004-05-04	STEWART; Brett B. et al.	
	281	6741708		2004-05-25	NAKATSUGAWA; Yoshinori	
	282	6741961		2004-05-25	LIM; Chae-Duck	
	283	6757517		2004-06-29	CHANG; Chin-Chi [Tw] et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	284	6763274		2004-07-13	GILBERT; Erik J.	
	285	6772267		2004-08-03	THALER; Thomas et al.	
	286	6778073		2004-08-17	LUTTER; Robert Pierce et al.	
	287	6778493		2004-08-17	ISHII; Atsushi	
	288	6778869		2004-08-17	CHAMPION; Mark	
	289	6788938		2004-09-07	SUGAYA; Shigeru et al.	
	290	6795852		2004-09-21	KLEINROCK; Leonard et al.	
	291	6801507		2004-10-05	HUMPLEMAN; Richard et al.	
	292	6803964		2004-10-12	POST; Lauren LEE et al.	
	293	6809635		2004-10-26	KAARESOJA; Topi	
	294	6816510		2004-11-09	BANERJEE; Subrata	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	295	6816818		2004-11-09	WOLF; Michael Jaochim et al.	
	296	6823225		2004-11-23	SASS; Jonathan	
	297	6826283		2004-11-30	WHEELER; Thomas M. et al.	
	298	6836788		2004-12-28	KIM; Sang-Gil et al.	
	299	6839752		2005-01-04	MILLER; Robert et al.	
	300	6859460		2005-02-22	CHEN; Michael C.	

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	2320451	CA	A1	2001-03-23	BONNEVILLE MARC ETIENNE [CA]		
	2	2371747	CA	A1	2001-05-25	SAMSUNG ELECTRONICS CO LTD [KR]		
	3	101292500	CN	A	2008-10-22	SONY ERICSSON MOBILE COMM AB.		
	4	1598767	CN	A	2005-03-23	XIAO XUEWEN.		
	5	0251584	EP	A2	1988-01-07	NORTHERN TELECOM LTD.		
	6	0672985	EP	A1	1995-09-20	INTERNATIONAL BUSINESS MACHINES.		
	7	0742674	EP	B1	2014-04-09	TOSHIBA KK [JP]		
	8	0772374	EP	A2	1997-05-07	BANG & OLUFSEN AS.		
	9	0895427	EP	A3	2006-01-18	SONY ELECTRONICS INC.		
	10	1058985	EP	A2	2000-12-13	SONY ELECTRONICS INC [US]		
	11	1111527	EP	A2	2001-06-27	KABUSHIKI KAISHA TOSHIBA.		

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	1122931	EP	A2	2001-08-08	SHARP KABUSHIKI KAISHA.		
	13	1312188	EP	A1	2003-05-21	BRITISH TELECOMM [GB]		
	14	1389853	EP	A1	2004-02-18	SONY INT EUROPE GMBH.		
	15	1410686	EP		2008-03-26	DOLBY LAB LICENSING CORPORATION.		
	16	1416687	EP	B1	2006-08-02	AVID TECHNOLOGY, INC.		
	17	1517464	EP	A2	2005-03-23	PHOENIX GOLD INTERNATIONAL INC.		
	18	2043381	EP	A2	2009-04-01	BANG & OLUFSEN AS.		
	19	2161950	EP	A2	2010-03-10	BANG & OLUFSEN AS.		
	20	2591617	EP	B1	2014-06-18	BANG & OLUFSEN AS.		
	21	2713281	EP		2004-04-02	SONOS, INC.		
	22	2284327	GB	A	1995-05-31	INTEL CORPORATION.		

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	2338374	GB		1999-12-15	MOTOROLA LTD.		
	24	2379533	GB	A	2003-03-12	REQUEST MULTIMEDIA [US]		
	25	2486183	GB		2012-06-13	CAMBRIDGE SILICON RADIO LIMITED.		
	26	07-210129	JP		1995-08-11	INTERNAT'L BUSINESS MACH CORP (IBM)		
	27	2000149391	JP	A	2000-05-30	VICTOR COMPANY OF JAPAN.		
	28	2001034951	JP		2001-02-09	SANYO ELECTRIC CO.		
	29	2002111817	JP		2002-04-12	NEC CORP.		
	30	2002123267	JP	A	2002-04-26	SONY CORP.		
	31	2002358241	JP	A	2002-12-13	VICTOR COMPANY OF JAPAN.		
	32	2003037585	JP		2003-02-07	SONY CORP.		
	33	2003101958	JP		2003-04-04	TOSHIBA CORP.		

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	2003169089	JP	A	2003-06-13	ANCL INC., et al.		
	35	2003506765	JP	A	2003-02-18	CHUNG; Randall M.		
	36	2005108427	JP		2005-04-21	RICOH KK.		
	37	2005136457	JP		2005-05-26	SANYO ELECTRIC CO. LTD.		
	38	2007241652	JP	A	2007-09-20	CORE COLORS INC.		
	39	2009075540	JP	A	2009-04-09	TOUCHTUNES MUSIC CORP.		
	40	2009135750	JP		2009-06-18	KYOCERA CORP.		
	41	2009506603	JP	A	2009-02-12	SONY ERICSSON MOBILE COMMUNICATIONS AB.		
	42	2009535708	JP		2009-10-01	MICROSOFT CORPORATION.		
	43	2009538006	JP	A	2009-10-29	SONY ERICSSON MOBILE COMMUNICATIONS AB.		
	44	2011130496	JP		2011-06-30	TOSHIBA CORP.		

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	63269633	JP		1988-11-07	UNKNOWN.		
	46	20030011128	KR	A	2003-02-06	CHO KAP HOON [KR]		☒
	47	439027	TW		2001-06-07	MITAC TECHNOLOGY CORP.		☐
	48	0019693	WO	A1	2000-04-06	WIRELESS SYSTEM TECHNOLOGIES I [CA], et al.		☐
	49	0110125	WO	A1	2001-02-08	CHUNG, RANDALL M.		☐
	50	02073851	WO		2002-09-19	PULSE-LINK, INC.		☐

If you wish to add additional Foreign Patent Document citation information please click the Add button [Add]

NON-PATENT LITERATURE DOCUMENTS [Remove]

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
	1	'884+ Automatic Matrix Mixer Control System," Ivie Technologies, Inc., 2000, pp. 1-4.	
	2	Acoustic Research. 900MHz Wireless Stereo Speakers Model AW871 Installation and Operation Manual, 2003, 15 pages.	
	3	Acoustic Research. 900MHz Wireless Stereo Speakers Model AW871 Installation and Operation Manual, 2007, 12 pages. .	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	4	Acoustic Research. Wireless Stereo Speakers with Auto-Tuning. Model AW877 Installation and Operation Manual, 2007, 13 pages.	
	5	ADT CORP., 5 Photographs of the Test Configuration, FCC ID: IXMWAA-B-AGB-01, Report No.: RF921020H02, 5 November 2003, 2 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	6	ADT CORP., Construction Photos of EUT, 921020H02, 13 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	7	ADT CORP., Construction Photos of EUT, 921020H02, 2 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	8	ADT CORP., FCC Test Report, FCC ID: IXMWAA-B-AGB-01, Report No.: RF921020H02, 5 November 2003, 44 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	9	ADT CORP., RF Exposure Report, Report No.: RF921020H02, 4 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	10	Advanced Driver Tab User Interface WaveLan GUI Guide, AVAGO0009, Agere Systems, February 2004, 4 pages.	
	11	Advisory Action mailed 02 February 2016, issued in connection with U.S. Patent Application No. 13/848921, filed on 22 March 2013, 8 pages.	
	12	Advisory Action mailed 18 September 2008, issued in connection with U.S. Patent Application No. 10/816217, filed on 01 April 2004, 8 pages.	
	13	Advisory Action mailed on 01 February 2016, issued in connection with U.S. Patent Application No. 13/864247, filed on 17 April 2013, 6 pages.	
	14	Advisory Action mailed on 01 June 2015, issued in connection with U.S. Patent Application No. 14/516867, filed on 17 October 2014, 11 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	15	Advisory Action mailed on 01 November 2013, issued in connection with U.S. Patent Application No. 13/618829, filed on 14 September 2012, 3 pages.	
	16	Advisory Action mailed on 02 March 2015, issued in connection with U.S. Patent Application No. 13/848932, filed on 22 March 2013, 3 pages.	
	17	Advisory Action mailed on 05 January 2012, issued in connection with U.S. Patent Application No. 12/035112, filed on 21 February 2008, 3 pages.	
	18	Advisory Action mailed on 05 September 2014, issued in connection with U.S. Patent Application No. 13/907666, filed on 31 May 2013, 3 pages.	
	19	Advisory Action mailed on 08 January 2015, issued in connection with U.S. Patent Application No. 13/705176, filed on 05 December 2012, 4 pages.	
	20	Advisory Action mailed on 08 March 2017, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 22 pages.	
	21	Advisory Action mailed on 09 June 2016, issued in connection with U.S. Patent Application No. 13/871795, filed on 25 April 2013, 3 pages.	
	22	Advisory Action mailed on 10 August 2017, issued in connection with U.S. Patent Application No. 13/864250, filed on 17 April 2013, 3 pages.	
	23	Advisory Action mailed on 10 February 2016, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 3 pages.	
	24	Advisory Action mailed on 12 November 2014, issued in connection with U.S. Patent Application No. 13/907666, filed on 31 May 2013, 6 pages.	
	25	Advisory Action mailed on 15 April 2015, issued in connection with U.S. Patent Application No. 14/184526, filed on 19 February 2014, 9 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	26	Advisory Action mailed on 15 April 2015, issued in connection with U.S. Patent Application No. 14/184935, filed on 20 February 2014, 9 pages.	
	27	Advisory Action mailed on 16 August 2017, issued in connection with U.S. Patent Application No. 13/864248, filed on 17 April 2013, 5 pages.	
	28	Advisory Action mailed on 20 June 2017, issued in connection with U.S. Patent Application No. 15/243355, filed on 22 August 2016, 5 pages.	
	29	Advisory Action mailed on 22 August 2017, issued in connection with U.S. Patent Application No. 13/864249, filed on 17 April 2013, 3 pages.	
	30	Advisory Action mailed on 25 March 2015, issued in connection with U.S. Patent Application No. 13/533105, filed on 26 June 2012, 5 pages.	
	31	Advisory Action mailed on 26 February 2015, issued in connection with U.S. Patent Application No. 14/184528, filed on 19 February 2014, 3 pages.	
	32	Advisory Action mailed on 26 November 2014, issued in connection with U.S. Patent Application No. 14/186850, filed on 21 February 2014, 9 pages.	
	33	Advisory Action mailed on 27 April 2016, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 7 pages.	
	34	Advisory Action mailed on 28 December 2016, issued in connection with U.S. Patent Application No. 13/705176, filed on 05 December 2012, 4 pages.	
	35	Advisory Action mailed on 28 July 2015, issued in connection with U.S. Patent Application No. 14/184522, filed on 19 February 2014, 7 pages.	
	36	Advisory Action mailed on 28 September 2009, issued in connection with U.S. Patent Application No. 10/816217, filed on 01 April 2004, 4 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	37	Agere Systems' Voice-over-Wireless LAN (VoWLAN) Station Quality of Service, AVAGO0015, Agere Systems, January 2005, 5 pages.	
	38	AKYILDIZ et al., "Multimedia Group Synchronization Protocols for Integrated Services Networks," IEEE Journal on Selected Areas in Communications, 1996 pp. 162-173, Vol. 14, No. 1.	
	39	Amazon: Philips MCW770 WiFi Wireless PC Link AM/FM 5-CD Microsystem (Discontinued by Manufacturer): Home Audio & Theater, 5 pages [online]. [retrieved on 2020-02-24]. Retrieved from the Internet URL: https://www.amazon.com/gp/product/B000278KLC. .	
	40	Amazon.com: CD30 c300 Wireless Network MP3 Player (Analog/Digital): Home Audio & Theater, 5 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	41	Amazon.com, Cisco-Linksys Wireless-B Music System WMLS11B, 5 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	42	Amazon.com, Cisco-Linksys WMA11B Wireless Digital Media Adapter, 6 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	43	Amazon.com. Creative Labs Sound Blaster Wireless Music: Electronics, 5 pages, [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	44	Amazon.com. Creative Labs Sound Blaster Wireless Music: Electronics, 7 pages, [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	45	American Telecommunications Certification Body In. RE: FCC ID: A6RMCX1000A 7 May 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	46	Anonymous, "Transmission Control Protocol," RFC: 793, USC/Information Sciences Institute, September 1981, 91 pages.	
	47	Apple. Airport Express, Setup Guide. 20 May 2004, 51 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	48	Apple. Airport Express, Setup Guide. 2004, 48 pages.	
	49	Apple Developer Connection. Browsing for Network Services. 12 November 2002, 5 pages.	
	50	Apple. NewsRoom, Apple "Open Sources" Rendezvous. 25 September 2002, 2 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Non-final Office Action mailed 10 April 2013, issued in connection with U.S. Patent Application No. 13/619237, filed 14 September 2012, 10 pages.	
	2	Non-Final Office Action mailed 12 May 2014, issued in connection with U.S. Patent Application No. 14/184528, filed 19 February 2014, 23 pages.	
	3	Non-Final Office Action mailed 14 May 2014, issued in connection with U.S. Patent Application No. 13/848932, filed 22 March 2013, 14 pages.	
	4	Non-Final Office Action mailed 17 June 2014, issued in connection with U.S. Patent Application No. 14/176808, filed 10 February 2014, 6 pages.	
	5	Non-Final Office Action mailed 18 December 2013, issued in connection with U.S. Patent Application No. 13/907666, filed 31 May 2013, 12 pages.	
	6	Non-Final Office Action mailed 18 January 2008, issued in connection with U.S. Patent Application No. 10/816217, filed 01 April 2004, 38 pages.	
	7	Non-Final Office Action mailed 19 April 2010, issued in connection with U.S. Patent Application No. 11/801468, filed 09 May 2007, 16 pages.	
	8	Non-Final Office Action mailed 19 March 2013, issued in connection with U.S. Patent Application No. 13/724048, filed 21 December 2012, 9 pages.	
	9	Non-Final Office Action mailed 21 June 2011, issued in connection with U.S. Patent Application No. 10/816217, filed 01 April 2004, 13 pages.	
	10	Non-Final Office Action mailed 22 January 2009, issued in connection with U.S. Patent Application No. 10/816217, filed 01 April 2004, 18 pages.	
	11	Non-Final Office Action mailed 25 July 2014, issued in connection with U.S. Patent Application No. 14/184526, filed 19 February 2014, 9 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Non-Final Office Action mailed 25 July 2014, issued in connection with U.S. Patent Application No. 14/184935, filed 20 February 2014, 11 pages.	
	13	Non-Final Office Action mailed 25 June 2010, issued in connection with U.S. Patent Application No. 10/816217, filed 01 April 2004, 17 pages.	
	14	Non-Final Office Action mailed 25 November 2013, issued in connection with U.S. Patent Application No. 13/533105, filed 26 June 2012, 19 pages.	
	15	Non-Final Office Action mailed 27 May 2014, issued in connection with U.S. Patent Application No. 14/186850, filed 21 February 2014, 13 pages.	
	16	Non-Final Office Action mailed 29 February 2012, issued in connection with U.S. Patent Application No. 13/297000, filed on 15 November 2011, 10 pages.	
	17	Non-Final Office Action mailed 29 November 2010, issued in connection with U.S. Patent Application No. 11/801468, filed on 09 May 2007, 17 pages.	
	18	Non-Final Office Action mailed 30 July 2013 issued in connection with U.S. Patent Application No. 13/724048, filed on 21 December 2012, 7 pages.	
	19	Non-Final Office Action mailed 31 July 2014, issued in connection with U.S. Patent Application No.13/533105, filed on 26 June 2012, 31 pages.	
	20	Non-Final Office Action mailed on 01 December 2014, issued in connection with U.S. Patent Application No. 14/516867, filed on 17 October 2014, 11 pages.	
	21	Non-Final Office Action mailed on 01 June 2016, issued in connection with U.S. Patent Application No. 14/184522, filed on 19 February 2014, 21 pages.	
	22	Non-Final Office Action mailed on 01 September 2010, issued in connection with U.S. Patent Application No. 11/147116, filed 06 June 2005, 36 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Non-Final Office Action mailed on 02 November 2016, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 37 pages.	
	24	Non-Final Office Action mailed on 03 February 2009, issued in connection with U.S. Patent Application No. 11/147116, filed on 06 June 2005, 32 pages.	
	25	Non-Final Office Action mailed on 03 January 2017, issued in connection with U.S. Patent Application No. 14/808875, filed on 24 July 2015, 10 pages.	
	26	Non-Final Office Action mailed on 03 June 2015, issued in connection with U.S. Patent Application No. 14/564544, filed on 09 December 2014, 7 pages.	
	27	Non-Final Office Action mailed on 03 November 2016, issued in connection with U.S. Patent Application No. 14/184528, filed on 19 February 2014, 17 pages.	
	28	Non-Final Office Action mailed on 03 October 2014, issued in connection with U.S. Patent Application No. 13/863083, filed on 15 April 2013, 22 pages.	
	29	Non-Final Office Action mailed on 04 June 2015, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 16 pages.	
	30	Non-Final Office Action mailed on 04 March 2015, issued in connection with U.S. Patent Application No. 13/435776, filed on 30 March 2012, 16 pages.	
	31	Non-Final Office Action mailed on 04 October 2016, issued in connection with U.S. Patent Application No. 15/089758, filed on 04 April 2016, 9 pages.	
	32	Non-Final Office Action mailed on 04 September 2019, issued in connection with U.S. Patent Application No. 15/091113, filed on 5 April 2016, 23 pages.	
	33	Non-Final Office Action mailed on 05 October 2016, issued in connection with U.S. Patent Application No. 13/864250, filed on 17 April 2013, 10 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Non-Final Office Action mailed on 05 October 2016, issued in connection with U.S. Patent Application No. 13/864252, filed on 17 April 2013, 11 pages.	
	35	Non-Final Office Action mailed on 06 October 2016, issued in connection with U.S. Patent Application No. 15/088678, filed on 01 April 2016, 9 pages.	
	36	Non-Final Office Action mailed on 07 July 2015, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 22 pages.	
	37	Non-Final Office Action mailed on 07 November 2011, issued in connection with U.S. Patent Application No. 11/147116, filed 06 June 2005, 48 pages.	
	38	Non-Final Office Action mailed on 07 October 2016, issued in connection with U.S. Patent Application No. 15/156392, filed on 17 May 2016, 8 pages.	
	39	Non-Final Office Action mailed on 08 March 2016, issued in connection with U.S. Patent Application No. 13/848921, filed on 22 March 2013, 13 pages.	
	40	Non-Final Office Action mailed on 09 August 2016, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 31 pages.	
	41	Non-Final Office Action mailed on 10 April 2017, issued in connection with U.S. Patent Application No. 13/871785, filed on 26 April 2013, 10 pages.	
	42	Non-Final Office Action mailed on 10 March 2011, issued in connection with U.S. Patent Application No. 12/035112, filed on 21 February 2008, 12 pages.	
	43	Non-Final Office Action mailed on 10 May 2016, issued in connection with U.S. Patent Application No. 14/504812, filed 02 October 2014, 22 pages.	
	44	Non-Final Office Action mailed on 10 November 2016, issued in connection with U.S. Patent Application No. 15/243355, filed on 22 August 2016, 11 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Non-Final Office Action mailed on 11 July 2017, issued in connection with U.S. Patent Application No. 13/848921, filed on 22 March 2013, 10 pages.	
	46	Non-Final Office Action mailed on 12 January 2017, issued in connection with U.S. Patent Application No. 13/895076, filed on 15 May 2013, 10 pages.	
	47	Non-Final Office Action mailed on 12 June 2015, issued in connection with U.S. Patent Application No. 13/848932, filed on 22 March 2013, 16 pages.	
	48	Non-Final Office Action mailed on 12 March 2015, issued in connection with U.S. Patent Application No. 13/705174, filed on 05 December 2012, 13 pages.	
	49	Non-Final Office Action mailed on 13 January 2016, issued in connection with U.S. Patent Application No. 14/184528, filed on 19 February 2014, 14 pages.	
	50	Non-Final Office Action mailed on 13 March 2015, issued in connection with U.S. Patent Application No. 13/705177, filed 05 December 2012, 15 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	MILLS David L., "Network Time Protocol (Version 3) Specification, Implementation and Analysis," Network Working Group, March 1992, 7 pages.	
	2	MILLS, David L., "Precision Synchronization of Computer Network Clocks," ACM SIGCOMM Computer Communication Review, 1994, pp. 28-43, Vol. 24, No. 2.	
	3	"Model MRC44 Four Zone - Four Source Audio/Video Controller/Amplifier System," Xantech Corporation, 2002, 52 pages.	
	4	Model MRC88 Eight Zone - Eight Source Audio/Video Controller/Amplifier System," Xantech Corporation, 2003, 102 pages.	
	5	Moses, B., Home Networking Using IEEE 1394 in Combination with Other Networking Technologies. Audio Delivery. The Changing Home Experience -AES 17 UK Conference 2002, 16 pages.	
	6	MOTOROLA, "Simplefi, Wireless Digital Audio Receiver, Installation and User Guide," December 31, 2001, 111 pages.	
	7	"SMPTE Made Simple: A Time Code Tutor by Timeline," 1996, 46 pages.	
	8	Muherim et al. On the Performance of Clock Synchronization Algorithms for a Distributed Commodity Audio System. Audio Engineering Society Convention Paper presented at 114th Convention 22-25 March 2003, 12 pages.	
	9	Multi-Easy/Multi-Sound. C-Media Xear 3D Sound Solution for USB Multi-Channel. User Manual, Revision: 1.0, January 2004, 29 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	10	Multi-Zone Control Systems. ZR-8630AV MultiZone Receiver. Niles. http://www.ampersandcom.com/zr8630av.html accessed March 26, 2020, 5 pages.	
	11	Murph, Darren. Rocketfish Wireless Whole Home Audio System Cuts the Cord on All Your Speakers. Engadget. 23 October 2009, 9 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Musica 5000 Series. Multi-Room Audio System, NetStreams, 2005, 7 pages.	
	13	Musica MU4602. Audio Distribution System. Data Sheet, 2004, 2 pages.	
	14	Musica MUR2E Network Interface. NetStreams Creating the future of home entertainment - today, 2004, 2 pages.	
	15	Musica MUR2EM Network Interface. NetStreams The IP Based Distributed Entertainment Company, 2005, 2 pages.	
	16	MusicCAST. Interactive Wireless. Home Music Network System, 6 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	17	MusicCAST System – About the Quick Manual, 1999, 7 pages.	
	18	Musicmatch. Jukebox Basic. Setup, 7 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	19	NETGEAR. User's Manual for the MP101 Digital Music Player, Version 1.2, May 2004, 48 pages.	
	20	NetStreams. Musica MU4602 Audio Distribution System. Data Sheet. Copyright 2004, 2 pages.	
	21	NetStreams Musica MU5066. Multi-Room Audio System. Installation and User's Guide, 2005, 44 pages. .	
	22	NetStreams Musica. NS-MU4602 Audio Distribution System, Integration & Design Guide. The IP-Based Audio Distribution Company, 2004, 22 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	NetStreams. Panorama PAN6400 Multi-Room Video & Control System Installation Guide, 1 January 2006, 64 pages.	
	24	NetStreams Product Catalog 2003-2004. Creating the Future of Home Entertainment Today 20 pages.	
	25	Network Time Protocol (NTP), RFC 1305 (Mar. 1992) (D+M_0397417-536) (120 pages).	
	26	Network Working Group. Zeroconf Multicast Address Allocation Protocol, Internet-Draft, 22 October 2002, 14 pages.	
	27	NewRoom. Sirius, XM Companies Flood Cedia with New Products, 15 September 2003, 2 pages.	
	28	NewRoom. SMC Ships New EZ-Stream Universal 80211ag Wireless Router, 14 January 2004, 3 pages.	
	29	NewsRoom. AP DataStream, Wall Street Journal Digest, 15 January 2004, 3 pages.	
	30	NewsRoom. AP Online, AP Technology NewsBrief. 26 December 2003, 2 pages.	
	31	NewsRoom. AP Online, AP Technology NewsBrief. 27 December 2003, 2 pages.	
	32	NewsRoom. Belleville News Democrat, TUNES, PICTURES FROM COMPUTER CAN BE SENT TO YOUR TV, STEREO, 27 December 2003, 2 pages.	
	33	NewsRoom. BridgeCo Successfully Concludes Second Financing Round of US $13.3 Million, Business Wire, 9 January 2003, 3 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	NewsRoom. Business Line, Cisco arm rolls out products for SOHO. 5 November 2003, 2 pages.	
	35	NewsRoom. Business Wire, BridgeCo Adds Wireless Connectivity and Enhances Surround Sound Processing for New Generation Speakers. 5 May 2003, 3 pages.	
	36	NewsRoom. Business Wire, BridgeCo Launches Entertainment Network Adapter at CES2003, 9 January 2003, 3 pages.	
	37	NewsRoom. Business Wire, BridgeCo Launches Entertainment Network Adapter for Pro Audio at NAMM Show, 16 January 2003, 3 pages.	
	38	NewsRoom. Business Wire, BridgeCo Opens USA Business Development HQ in Silicon Valley and Expands Management Team, 15 March 2004, 3 pages.	
	39	NewsRoom. Business Wire, BridgeCo Releases Silicon and Firmware Platform Compatible with Microsoft Windows Media Connect and Windows Media DRM Technology. 3 May 2004, 3 pages.	
	40	NewsRoom. Business Wire, CSR and BridgeCo Launch Design for New Generation Wireless Speakers; Transforms Traditional Speakers into Portable Internet Radio, 6 May 2003, 3 pages.	
	41	NewsRoom. Business Wire, Epson Announces the EPSON Stylus Photo 900: The First Photo Printer Under $200 to Print Directly Onto CDs and DVDs; New Printer Offers a Complete Printing Solution for Digital Lifestyles, 16 April 2003, 4 pages.	
	42	NewsRoom. Business Wire, Good Guys Unveils Top 10 Holiday Electronics Gifts; Advances in Technology and Lower Prices Across the Industry Make for Great Deals on In-Demand Products This Season, 3 December 2003, 3 pages.	
	43	NewsRoom. Bytestechnology Briefing, 19 February 2002, 2 pages.	
	44	NewsRoom. CEA Announces 2007 Mark of Excellence Award Winners, 10 March 2007, 3 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	NewsRoom. CEDIA Abuzz with Trends -- Integrators agree: The hot products at this year's expo are the start of a revolutionary move for the home automation market. 9 October 2006, 4 pages.	
	46	NewsRoom. Chicago Sun Times, Wireless stream player hits the right notes, 17 January 2004, 3 pages.	
	47	NewsRoom. Computer Shopper, Entertainment geekly: the blueprints have been drawn for a connected home that fuses the PC with entertainment devices. All you have to do is install..., 1 November 2003, 6 pages.	
	48	NewsRoom. Computer Shopper, Tunes all around, Volume 23; Issue 11, 1 November 2003, 1 page.	
	49	NewsRoom. Computer Shopper, What we want: here's the gear our editors are wishing for this year, Volume 23; Issue 12, 1 December 2003, 8 pages.	
	50	NewsRoom. Computer Shopper, Wi-Fi meets Hi-Fi: here's how to stream music, still images, and videos to your home entertainment center, 1 November 2003, 5 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Windows Media Connect Device Compatibility Specification (April 12, 2004) (16 pages).	
	2	Windows XP: The Complete Reference - Chapter 19 Working with Sound, 6 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	3	Wired. Total Remote Control, Issue 11.06, June 2003, 2 pages.	
	4	Wireless Home Audio Director. Wireless N Music Player with Integrated Amplifier DMC250. Datasheet. Linksys by Cisco. Fill Your Home with Music, 2008, 2 pages. .	
	5	Wireless Music Console Network Setup, 8 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	6	Wireless USB Adapter 11g CPWUA054, CPWUA054|00, CPWUA054|37, User Manual, Version: 1.0, December 2003, 29 pages.	
	7	WPA Reauthentication Rates, AVAGO0063, Agere Systems, February 2004, 3 pages.	
	8	Yahoo Finance. BridgeCo Successfully Commercializes its BeBoB Application for the Music Industry: Four Manufacturers Demonstrate BeBoB-enabled Products at NAMM 2004. 16 January 2004, 3 pages.	
	9	Yahoo Groups. Exstreamer. Barix Exstreamer. Access via Wayback Machine http://groups.yahoo.com/group/exstreamer/ December 22, 2013, 1 page. .	
	10	Yamaha Corporation. Declaration of Dedicated RF card requirement to American Telecommunications Certification Body, Inc. 16 May 2003, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	11	YAMAHA CORPORATION. Internal Photo, FCC ID: A6RMCX1000A, 5 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Yamaha Corporation. Letter of Agency to American Telecommunications Certification Body, Inc. 10 April 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	13	YAMAHA CORPORATION. RF Exposure Statement No. 23GE0067-HO-2, Digital Audio Server, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	14	Yamaha. Digital Audio Server, MCX-1000, Owner's Manual, 1996-2002, 148 pages.	
	15	Yamaha DME 32 manual: copyright 2001.	
	16	Yamaha DME 64 Owner's Manual; copyright 2004, 80 pages.	
	17	Yamaha DME Designer 3.0 Owner's Manual; Copyright 2008, 501 pages.	
	18	Yamaha DME Designer 3.5 setup manual guide; copyright 2004, 16 pages.	
	19	Yamaha DME Designer 3.5 User Manual; Copyright 2004, 507 pages.	
	20	Yamaha DME Designer software manual: Copyright 2004, 482 pages.	
	21	Yamaha. Manufacturer's Letter 10 April 2003, 2 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	22	Yamaha MCX-1000 FCC ID: ABFIMCX10000A, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Yamaha MusicCAST Digital Audio Server MCX-1000 Owner's Manual, Copyright 1996-2002, 148 pages.	
	24	Yamaha, MusicCAST: Digital Audio Terminal MCX-A10, Owner's Manual. 4 June 2003, 76 pages.	
	25	Yamaha Personal Receiver RP-U200 Operation Manual ("Operation Manual"), Copyright 1992-1997, 57 pages.	
	26	Yamaha. Request for Confidentiality. 10 April 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	27	"Symantec pcAnywhere User's Guide," v 10.5.1, 1995-2002, 154 pages.	
	28	"Systemline Modular Installation Guide, Multiroom System," Systemline, 2003, pp. 1-22.	
	29	Zero Configuration Networking - Zeroconf. www.zeroconf.org, 4 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	30	Zero Configuration networking with Bonjour -YouTube available via https://www.youtube.com/watch?v=ZhtZJ6EsCXo 3 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	31	Zeroconf Working Group, Dynamic Configuration of IPv4 Link-Local Addresses, Internet-Draft, 8 July 2004, 62 pages.	
	32	Zeroconf Working Group, Dynamic Configuration of IPv4 Link-Local Addresses, Internet-Draft, 1 July 2004, 60 pages.	
	33	Zeroconf Working Group, Dynamic Configuration of IPv4 Link-Local Addresses, Internet-Draft, 7 June 2004, 62 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Zeroconf Working Group, Dynamic Configuration of Link-Local IPv4 Addresses, Internet-Draft, 16 February 2004, 60 pages.	
	35	Zeroconf Working Group, Dynamic Configuration of Link-Local IPv4 Addresses, Internet-Draft, 31 March 2004, 60 pages.	
	36	"ZR-8630AV MultiZone Audio/Video Receiver, Installation and Operation Guide," Niles Audio Corporation, 2003, 86 pages.	
	37	ZX135: Installation Manual,LA Audio, April 2003, 44 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	6859538		2005-02-22	VOLTZ; Christopher	
	2	6873862		2005-03-29	RESHEFSKY; Marc Alan	
	3	6882335		2005-04-19	SAARINEN; Pertti	
	4	6898642		2005-05-24	CHAFLE; Girish Bhimrao et al.	
	5	6901439		2005-05-31	BONASIA; Gaetano et al.	
	6	6907458		2005-06-14	TOMASSETTI; Stephen Robert et al.	
	7	6910078		2005-06-21	RAMAN; Suchitra et al.	
	8	6912610		2005-06-28	SPENCER; Thomas Vincent	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	9	6915347		2005-07-05	HANKO; James G. et al.	
	10	6917592		2005-07-12	RAMANKUTTY; Rajesh et al.	
	11	6919771		2005-07-19	NAKAJIMA; Kouji	
	12	6920373		2005-07-19	XI; Ning et al.	
	13	6931557		2005-08-16	TOGAWA; Yoshifusa	
	14	6934766		2005-08-23	RUSSELL; Paul J.	
	15	6937988		2005-08-30	HEMKUMAR; Nariankadu Datatreya et al.	
	16	6950666		2005-09-27	ASAKAWA; Stuart D.	
	17	6965948		2005-11-15	ENEBORG; Mats et al.	
	18	6970481		2005-11-29	GRAY, III; Donald M. et al.	
	19	6970482		2005-11-29	KIM; Sung-Tae	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	20	6981259		2005-12-27	LUMAN; David J. et al.	
	21	6985694		2006-01-10	DE BONET; Jeremy S. et al.	
	22	6987767		2006-01-17	SAITO; Tatsunori	
	23	6993570		2006-01-31	IRANI; Boman	
	24	7006758		2006-02-28	YAMAMOTO; Kaoru et al.	
	25	7007106		2006-02-28	FLOOD; Mark et al.	
	26	7020791		2006-03-28	AWEYA; James et al.	
	27	7043477		2006-05-09	MERCER; IAN Cameron et al.	
	28	7043651		2006-05-09	AWEYA; James et al.	
	29	7046677		2006-05-16	MONTA; Peter et al.	
	30	7047308		2006-05-16	DESHPANDE; Sachin G.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	31	7054888		2006-05-30	LACHAPELLE; Kevin Leigh et al.	
	32	7058719		2006-06-06	MOTOYAMA; Tetsuro	
	33	7058889		2006-06-06	TROVATO; Karen I. et al.	
	34	7068596		2006-06-27	MOU; Hensen	
	35	7076204		2006-07-11	RICHENSTEIN; Lawrence et al.	
	36	7092528		2006-08-15	PATRICK; Kyle N. et al.	
	37	7092694		2006-08-15	GRIEP; Pieter Dingenis et al.	
	38	7096169		2006-08-22	CRUTCHFIELD; William G. et al.	
	39	7102513		2006-09-05	TASKIN; Metin Ismail et al.	
	40	7107442		2006-09-12	CHESHIRE; Stuart D.	
	41	7113999		2006-09-26	PESTONI; Florian et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	42	7115017		2006-10-03	LAURSEN; Thomas et al.	
	43	7120168		2006-10-10	ZIMMERMANN; Klaus	
	44	7123731		2006-10-17	COHEN; Yuval et al.	
	45	7130316		2006-10-31	KOVACEVIC; Branko D.	
	46	7130368		2006-10-31	AWEYA; James et al.	
	47	7130608		2006-10-31	HOLLSTROM; Magnus et al.	
	48	7130616		2006-10-31	JANIK; Craig M.	
	49	7136934		2006-11-14	CARTER; Harry Nick et al.	
	50	7139981		2006-11-21	MAYER; Theodore et al.	
	51	7143141		2006-11-28	MORGAN; Jeffrey A. et al.	
	52	7143939		2006-12-05	HENZERLING; David P.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	53	7146260		2006-12-05	PRESTON; DAN Alan et al.	
	54	7158488		2007-01-02	FUJIMORI; Junichi	
	55	7158783		2007-01-02	EGUCHI; Tadashi	
	56	7161939		2007-01-09	ISRAEL; David et al.	
	57	7162315		2007-01-09	GILBERT; Erik J.	
	58	7164694		2007-01-16	NODOUSHANI; Paiman et al.	
	59	7167765		2007-01-23	JANIK; Craig M.	
	60	7174157		2007-02-06	GASSHO; Kazuhito et al.	
	61	7184774		2007-02-27	ROBINSON; William Neil et al.	
	62	7185090		2007-02-27	KOWALSKI; John Michael et al.	
	63	7187947		2007-03-06	WHITE; Russell W. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	64	7188353		2007-03-06	CRINON; Regis J.	
	65	7197148		2007-03-27	NOURSE; James D. et al.	
	66	7206367		2007-04-17	MOORE; Daniel L. [Us] et al.	
	67	7206618		2007-04-17	LATTO; Antonio T. et al.	
	68	7206967		2007-04-17	MARTI; Philippe et al.	
	69	7209795		2007-04-24	SULLIVAN; Gary E. et al.	
	70	7215649		2007-05-08	YU; Robert et al.	
	71	7218708		2007-05-15	BEREZOWSKI; Andrew G. et al.	
	72	7218930		2007-05-15	KO; Ming-Chih et al.	
	73	7236739		2007-06-26	CHANG; Chin-Chi	
	74	7236773		2007-06-26	THOMAS; Graham	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	75	7246374		2007-07-17	SIMON; Daniel R. et al.	
	76	7251533		2007-07-31	YOON; Hong S. et al.	
	77	7257398		2007-08-14	UKITA; Yoshitaka et al.	
	78	7260616		2007-08-21	COOK; Fred S.	
	79	7263070		2007-08-28	DELKER; Jason et al.	
	80	7263110		2007-08-28	FUJISHIRO; Yoshiya	
	81	7269338		2007-09-11	JANEVSKI; Angel	
	82	7274761		2007-09-25	MULLER; Thomas et al.	
	83	7275156		2007-09-25	BALFANZ; Dirk et al.	
	84	7277547		2007-10-02	DELKER; Jason R. et al.	
	85	7286652		2007-10-23	AZRIEL; GAD et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	86	7289631		2007-10-30	ISHIDOSHIRO; Takashi	
	87	7293060		2007-11-06	KOMSI; Asko	
	88	7295548		2007-11-13	BLANK; William Thomas [Us] et al.	
	89	7305694		2007-12-04	COMMONS; Christopher et al.	
	90	7308188		2007-12-11	NAMATAME; Kazushi	
	91	7308489		2007-12-11	WEAST; John C.	
	92	7310334		2007-12-18	FITZGERALD; Cary et al.	
	93	7312785		2007-12-25	TSUK; Robert W. et al.	
	94	7313384		2007-12-25	MEENAN; Patrick et al.	
	95	7313593		2007-12-25	PULITO; Brian et al.	
	96	7319764		2008-01-15	REID; Glenn et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	97	7321784		2008-01-22	SERCEKI; Zeljko John et al.	
	98	7324857		2008-01-29	GODDARD; Mark D.	
	99	7330875		2008-02-12	PARASNIS; Shashank Mohan et al.	
	100	7333519		2008-02-19	SULLIVAN; Gary E. et al.	
	101	7356011		2008-04-08	WATERS; Christopher J. F. et al.	
	102	7359006		2008-04-15	XIANG; Shuhua et al.	
	103	7363363		2008-04-22	DAL CANTO; Mario et al.	
	104	7366206		2008-04-29	LOCKRIDGE; Terry Wayne et al.	
	105	7372846		2008-05-13	ZWACK; Eduard	
	106	7376834		2008-05-20	EDWARDS; W. Keith et al.	
	107	7383036		2008-06-03	KANG; Sung H. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	108	7391791		2008-06-24	BALASSANIAN; Edward et al.	
	109	7392102		2008-06-24	SULLIVAN; Gary E. et al.	
	110	7392387		2008-06-24	BALFANZ; Dirk et al.	
	111	7392481		2008-06-24	GEWICKEY; Greg et al.	
	112	7394480		2008-07-01	SONG; Young-Joong	
	113	7400644		2008-07-15	SAKAMOTO; Ichiro et al.	
	114	7400732		2008-07-15	STADDON; Jessica N. et al.	
	115	7412499		2008-08-12	CHANG; Chun-Shi et al.	
	116	7428310		2008-09-23	PARK; Jeong-Hyun	
	117	7430181		2008-09-30	HONG; Jay Wu	
	118	7433324		2008-10-07	SWITZER; David et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	119	7434166		2008-10-07	ACHARYA; Shrikant et al.	
	120	7454619		2008-11-18	SMETTERS; Diana K. et al.	
	121	7457948		2008-11-25	BILICKSA; Carl et al.	
	122	7469139		2008-12-23	VAN DE GROENENDAAL; Joannes G.	
	123	7472058		2008-12-30	TSENG; Wei-Hsin et al.	
	124	7474677		2009-01-06	TROTT; Christian A.	
	125	7483538		2009-01-27	McCARTY; William A. et al.	
	126	7483540		2009-01-27	RABINOWITZ; William M. et al.	
	127	7483958		2009-01-27	ELABBADY; Tarek Z. et al.	
	128	7492912		2009-02-17	CHUNG; YUN M. et al.	
	129	7505889		2009-03-17	SALMONSEN; Daniel R. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	130	7509181		2009-03-24	CHAMPION; Mark	
	131	7519667		2009-04-14	CAPPS; Stephen P.	
	132	7532862		2009-05-12	CHESHIRE; Stuart D.	
	133	7548744		2009-06-16	OESTERLING; Christopher L. et al.	
	134	7548851		2009-06-16	LAU; Jack et al.	
	135	7558224		2009-07-07	SURAZSKI; Luke K. et al.	
	136	7558635		2009-07-07	THIEL; Steffen et al.	
	137	7561697		2009-07-14	HARRIS; Scott C.	
	138	7571014		2009-08-04	LAMBOURNE; Robert A. et al.	
	139	7574274		2009-08-11	HOLMES; Stephen G.	
	140	7581096		2009-08-25	BALFANZ; Dirk et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	141	7599685		2009-10-06	GOLDBERG; David et al.	
	142	7606174		2009-10-20	OCHI; Mitsunori et al.	
	143	7607091		2009-10-20	SONG; Young-Wun et al.	
	144	7627825		2009-12-01	KAKUDA; Hiroshi	
	145	7630501		2009-12-08	BLANK; William TOM [Us] et al.	
	146	7631119		2009-12-08	MOORE; Jeffrey C. et al.	
	147	7634093		2009-12-15	McGRATH; David Stanley	
	148	7643894		2010-01-05	BRAITHWAITE; Michael et al.	
	149	7653344		2010-01-26	FELDMAN; Theodore Philip et al.	
	150	7657224		2010-02-02	GOLDBERG; David et al.	
	151	7657255		2010-02-02	ABEL; Miller T. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	152	7657644		2010-02-02	ZHENG; Qinghua	
	153	7657910		2010-02-02	MCAULAY; Roger et al.	
	154	7665115		2010-02-16	GALLO; Kevin T. et al.	
	155	7668990		2010-02-23	KRZYZANOWSKI; Paul et al.	
	156	7669113		2010-02-23	MOORE; Jeff et al.	
	157	7669219		2010-02-23	SCOTT; Samuel T.Iii et al.	
	158	7672470		2010-03-02	LEE; Jae-Hoon	
	159	7675943		2010-03-09	MOSIG; Rudiger et al.	
	160	7676044		2010-03-09	SASAKI; Toru [Jp] et al.	
	161	7676142		2010-03-09	HUNG; Andy Chao	
	162	7688306		2010-03-30	WEHRENBERG; Paul J. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	163	7689304		2010-03-30	SASAKI; Yoshio	
	164	7689305		2010-03-30	KREIFELDT; Richard A. et al.	
	165	7690017		2010-03-30	STECYK; Polly et al.	
	166	7702279		2010-04-20	KO; Steve et al.	
	167	7702403		2010-04-20	GLADWIN; Stephen Christopher et al.	
	168	7710941		2010-05-04	RIETSCHEL; Johannes et al.	
	169	7711774		2010-05-04	ROTHSCHILD; Leigh M.	
	170	7716375		2010-05-11	BLUM; Philipp et al.	
	171	7720096		2010-05-18	KLEMETS; Anders E.	
	172	7721032		2010-05-18	BUSHELL; John Samuel et al.	
	173	7742740		2010-06-22	GOLDBERG; David et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	174	7743009		2010-06-22	HANGARTNER; Rick et al.	
	175	7746906		2010-06-29	JINZAKI; Akira et al.	
	176	7752329		2010-07-06	MEENAN; Patrick et al.	
	177	7756743		2010-07-13	LAPCEVIC; Thomas G.	
	178	7757076		2010-07-13	STEWART; Paul J. et al.	
	179	7761176		2010-07-20	BEN-YAACOV; Yaacov et al.	
	180	7765315		2010-07-27	BATSON; James D. et al.	
	181	7792311		2010-09-07	HOLMGREN; Steve F. et al.	
	182	7793206		2010-09-07	LIM; SEH E. et al.	
	183	7827259		2010-11-02	HELLER; David et al.	
	184	7831054		2010-11-09	BALL; Steven J. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	185	7835689		2010-11-16	GOLDBERG; David et al.	
	186	7853341		2010-12-14	MCCARTY; William A. et al.	
	187	7865137		2011-01-04	GOLDBERG; David et al.	
	188	7882234		2011-02-01	WATANABE; Mitsuhiro et al.	
	189	7885622		2011-02-08	KRAMPF; Steven S. et al.	
	190	7899656		2011-03-01	CRUTCHFIELD, Jr.; William G.	
	191	7904720		2011-03-08	SMETTERS; Diana Kathryn et al.	
	192	7907736		2011-03-15	YUEN; Thomas C. K. et al.	
	193	7907819		2011-03-15	ANDO; Hideo et al.	
	194	7916861		2011-03-29	CONLEY; Kenneth W. et al.	
	195	7916877		2011-03-29	GOLDBERG; David et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	196	7917082		2011-03-29	GOLDBERG; David et al.	
	197	7933418		2011-04-26	MORISHIMA; Morito	
	198	7934239		2011-04-26	DAGMAN; Vadim	
	199	7937089		2011-05-03	SMETTERS; Diana K. et al.	
	200	7937752		2011-05-03	BALFANZ; Dirk et al.	
	201	7945143		2011-05-17	YAHATA; Hiroshi et al.	
	202	7945636		2011-05-17	NELSON; Hortense Kathleen et al.	
	203	7945708		2011-05-17	OHKITA; Hideki	
	204	7958441		2011-06-07	HELLER; David [Us] et al.	
	205	7966388		2011-06-21	PUGACZEWSKI; John T. et al.	
	206	7987294		2011-07-26	BRYCE; Stuart et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	207	7995732		2011-08-09	KOCH; Robert et al.	
	208	7996566		2011-08-09	SYLVAIN; Dany et al.	
	209	7996588		2011-08-09	SUBBIAH; Baranitharan et al.	
	210	8014423		2011-09-06	THALER; Thomas et al.	
	211	8015306		2011-09-06	BOWMAN; Timothy D.	
	212	8020023		2011-09-13	MILLINGTON; Nicholas A.J et al.	
	213	8023663		2011-09-20	GOLDBERG; David	
	214	8028038		2011-09-27	WEEL; Martin	
	215	8028323		2011-09-27	WEEL; Martin	
	216	8041062		2011-10-18	COHEN; Ephram et al.	
	217	8045721		2011-10-25	BURGAN; John M. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	218	8045952		2011-10-25	QURESHEY; Safi et al.	
	219	8050203		2011-11-01	JACOBSEN; Phillip et al.	
	220	8050652		2011-11-01	QURESHEY; Safi et al.	
	221	8055364		2011-11-08	CHAMPION; Mark	
	222	8064904		2011-11-22	JAIN; Nikhil et al.	
	223	8074253		2011-12-06	NATHAN; GUY	
	224	8086752		2011-12-27	MILLINGTON; Nicholas A.J et al.	
	225	8090317		2012-01-03	BURGE; Benjamin D. et al.	
	226	8103009		2012-01-24	MCCARTY; William A. et al.	
	227	8111132		2012-02-07	ALLEN; William A. et al.	
	228	8112032		2012-02-07	KO; Steve et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	229	8116476		2012-02-14	INOHARA; Yuichi	
	230	8126172		2012-02-28	HORBACH; Ulrich et al.	
	231	8131389		2012-03-06	HARDWICK; John C. et al.	
	232	8131390		2012-03-06	BRAITHWAITE; Michael et al.	
	233	8134650		2012-03-13	MAXSON; Brian D. et al.	
	234	8144883		2012-03-27	PDERSEN; JAN A. et al.	
	235	8148622		2012-04-03	ROTHKOPF; Fletcher R. et al.	
	236	8150079		2012-04-03	MAEDA; Kazuhiro et al.	
	237	8156337		2012-04-10	BALFANZ; Dirk et al.	
	238	8169938		2012-05-01	DUCHSCHER; ROB et al.	
	239	8170222		2012-05-01	DUNKO; Gregory A.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	240	8170260		2012-05-01	REINING; Friedrich et al.	
	241	8175297		2012-05-08	HO; Harvey et al.	
	242	8185674		2012-05-22	MOORE; Jeffrey C. et al.	
	243	8194874		2012-06-05	STAROBIN; Bradley M. et al.	
	244	8204890		2012-06-19	GOGAN; Brian [Us] et al.	
	245	8208653		2012-06-26	EO; Kil-Su et al.	
	246	8214447		2012-07-03	DESLIPPE; Mark H. et al.	
	247	8214740		2012-07-03	JOHNSON; Timothy	
	248	8214873		2012-07-03	WEEL; Martin	
	249	8218790		2012-07-10	BULL; William et al.	
	250	8230099		2012-07-24	WEEL; Martin	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	251	8233029		2012-07-31	YOSHIDA; Junji et al.	
	252	8233648		2012-07-31	SOREK; Noam et al.	
	253	8234395		2012-07-31	MILLINGTON; Nicholas A. J.	
	254	8239748		2012-08-07	MOORE; Jeff et al.	
	255	8250218		2012-08-21	WATANABE; Mitsuhiro et al.	
	256	8279709		2012-10-02	CHOISEL; Sylvain et al.	
	257	8281001		2012-10-02	BUSAM; Vincent R. et al.	
	258	8285404		2012-10-09	KEKKI; Samuli T.	
	259	8290603		2012-10-16	LAMBOURNE; Robert A.	
	260	8300845		2012-10-30	ZUREK; Robert et al.	
	261	8311226		2012-11-13	LORGEOUX; Mickael et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	262	8315555		2012-11-20	KO; Steve et al.	
	263	8316147		2012-11-20	BATSON; James D. et al.	
	264	8325931		2012-12-04	HOWARD; Damian et al.	
	265	8326951		2012-12-04	MILLINGTON; Nicholas A. J. et al.	
	266	8340330		2012-12-25	YOON; Eung-Sik et al.	
	267	8345709		2013-01-01	NITZPON; Hans-Juergen et al.	
	268	8364295		2013-01-29	BECKMANN; Paul E. et al.	
	269	8370678		2013-02-05	MILLINGTON; Nicholas A. J. et al.	
	270	8374595		2013-02-12	CHIEN; Chih-Ling et al.	
	271	8407623		2013-03-26	KERR; Duncan et al.	
	272	8411883		2013-04-02	MATSUMOTO; Keishi	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	273	8423659		2013-04-16	MILLINGTON; Nicholas A. J.	
	274	8423893		2013-04-16	RAMSAY; Max Gordon et al.	
	275	8432851		2013-04-30	XU; Guijin et al.	
	276	8433076		2013-04-30	ZUREK; Robert et al.	
	277	8442239		2013-05-14	BRUELLE-DREWS; Christian et al.	
	278	8457334		2013-06-04	YOON; Eung-Sik et al.	
	279	8463184		2013-06-11	DUA; Robin	
	280	8463875		2013-06-11	KATZ; Hagay et al.	
	281	8473844		2013-06-25	KREIFELDT; Richard A. et al.	
	282	8477958		2013-07-02	MOELLER; Klaus R. et al.	
	283	8483853		2013-07-09	LAMBOURNE; Robert A.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	284	8509211		2013-08-13	TROTTER; John et al.	
	285	8509463		2013-08-13	GOH; Aik Hee Daniel et al.	
	286	8515389		2013-08-20	SMETTERS; Diana K. et al.	
	287	8520870		2013-08-27	SATO; Katsuyuki et al.	
	288	8565455		2013-10-22	WORRELL; Devon et al.	
	289	8577048		2013-11-05	CHAIKIN; Peter et al.	
	290	8588949		2013-11-19	LAMBOURNE; Robert A. et al.	
	291	8600084		2013-12-03	GARRETT; James E.	
	292	8601394		2013-12-03	SHEEHAN; Conor et al.	
	293	8611559		2013-12-17	SANDERS; Christopher	
	294	8615091		2013-12-24	TERWAL; Remco	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	295	8639830		2014-01-28	BOWMAN; Timothy D.	
	296	8654995		2014-02-18	SILBER; Michael W. et al.	
	297	8672744		2014-03-18	GRONKOWSKI; Timothy T. et al.	
	298	8683009		2014-03-25	NG; Stanley et al.	
	299	8688431		2014-04-01	LYONS; Kenneth S. et al.	
	300	8731206		2014-05-20	PARK; Keun Young	

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	0237217	WO	A2	2002-05-10	SONY ELECTRONICS INC [US]		
	2	03093950	WO	A2	2003-11-13	GOLDBERG DAVID [US], et al.		
	3	03096741	WO	A2	2003-11-20	BRAITHWAITE MICHAEL [US], et al.		
	4	199525313	WO		1995-09-21	INTERNATIONAL BUSINESS MACHINE CORPORATION.		
	5	1999023560	WO		1999-05-14	COLLABORATION PROPERTIES, INC.		
	6	199961985	WO		1999-12-02	THE DOW CHEMICAL COMPANY.		
	7	200153994	WO		2001-07-26	FRISKIT, INC.		
	8	2003093950	WO	A2	2003-11-13	GOLDBERG, BENJAMIN, M. et al.		
	9	2005013047	WO	A2	2005-02-10	SONOS INC [US], et al.		
	10	2007023120	WO	A1	2007-03-01	SONY ERICSSON MOBILE COMM AB [SE], et al.		
	11	2007127485	WO		2007-11-08	MICROSOFT CORPORATION.		

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	2007131555	WO		2007-11-22	SONY ERICSOON MOBILE COMMUNICATIONS AB.		
	13	2007135581	WO	A2	2007-11-29	KONINKL PHILIPS ELECTRONICS NV [NL], et al.		
	14	2008046530	WO	A2	2008-04-24	FRAUNHOFER GES FORSCHUNG [DE], et al.		
	15	2008082350	WO	A1	2008-07-10	SCANIA CV ABP [SE], et al.		
	16	2008114389	WO	A1	2008-09-25	PIONEER CORPORATION.		
	17	2012050927	WO		2012-04-19	BEYOND OBLIVION INC.		
	18	2014004182	WO		2014-01-03	SONOS, INC.		
	19	2014149533	WO	A2	2014-09-25	BOSE CORPORATION.		
	20	9709756	WO	A2	1997-03-13	BUCALO BRIAN D [US], et al.		

If you wish to add additional Foreign Patent Document citation information please click the Add button [Add]

NON-PATENT LITERATURE DOCUMENTS [Remove]

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Apple. NewsRoom, Apple Ships New AirPort Express with AirTunes. 14 July 2004, 3 pages.	
	2	Apple. NewsRoom, Apple Unveils AirPort Express for Mac & PC Users. 7 June 2004, 3 pages.	
	3	Apple. NewsRoom, Developers Rapidly Adopt Apple's Rendezvous Networking Technology, 10 September 2002, 3 pages.	
	4	Apple WWDC 2003 Session 105 - Rendezvous - YouTube available via https://www.youtube.com/watch?v=Ge5bsDijGWM [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	5	Ashcraft et al. P4 Protocol Specification vo.2. April 6, 2002, 11 pages [online]. [retrieved on 2020-03-26]. Retrieved from the Internet URL: https://snarfed.org/p4protocol.	
	6	Audio Authority. Access EZ: Demonstration Network. Home Audio and Video System Installation Manual, 60 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	7	Audio Authority: How to Install and Use the Model 1154 Signal Sensing Auto Selector, 2002, 4 pages.	
	8	Audio Authority: Model 1154B High Definition AV Auto Selector, 2008, 8 pages.	
	9	AudioPoint from Home Director. Play Digital Music on Your Conventional Stereo System, 2002, 2 pages. .	
	10	AudioPoint, Welcome to the coolest way to listen to digital music over your conventional stereo equipment, Home Director HD00B02, 2002, 2 pages.	
	11	AudioSource: AMP 100 User Manual, 2003, 4 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	AudioTron Quick Start Guide, Version 1.0, March 2001, 24 pages.	
	13	AudioTron Reference Manual, Version 3.0, May 2002, 70 pages.	
	14	AudioTron Setup Guide, Version 3.0, May 2002, 38 pages.	
	15	Automatic Profile Hunting Functional Description, AVAGO0013, Agere Systems, February 2004, 2 pages.	
	16	"A/V Surround Receiver AVR-5800," Denon Electronics, 2000, 2 pages.	
	17	"A/V System Controleer, Owner's Manual," B&K Compontents, Ltd., 1998, 52 pages.	
	18	AVTransport:1 Service Template Version 1.01 For UPnP, Version 1.0 (June 25, 2002) (66 pages).	
	19	AXIS Communication: AXIS P8221 Network I/O Audio Module, 2009, 41 pages.	
	20	BALDWIN, Roberto. "How-To: Setup iTunes DJ on Your Max and iPhone", available at http://www.maclife.com/article/howtos/howto_setup_itunes_dj_your_mac_and_iphone, archived on 3/17/ 2009, 4 pages.	
	21	BALFANZ et al., "Network-in-a-Box: How to Set Up a Secure Wireless Network in Under a Minute," 13th USENIX Security Symposium - Technical Paper, 2002, 23 pages.	
	22	BALFANZ et al., "Talking To Strangers: Authentication in Ad-Hoc Wireless Networks," Xerox Palo Alto Research Center, 2002, 13 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	BARHAM et al., "Wide Area Audio Synchronisation," University of Cambridge Computer Laboratory, 1995, 5 pages.	
	24	Barix Download Exstreamer Software. Accessed via WayBack Machine, April 6, 2003. http://www.barix.com/estreamer/software.download.html. 2 pages. .	
	25	Barix. Exstreamer Datasheet. Accessed via WayBack Machine, April 2, 2003. http://www.barix.com/exstreamer/, 1 page.	
	26	Barret, Ryan. P4 Proposal :CS194 Project Proposal. Toward an Application-Independent Distributed Network Platform. April 9, 2002, 4 pages [online]. [retrieved on 2020-03-26]. Retrieved from the Internet URL: https://snarfed.org/p4proposal. .	
	27	Barrett, Ryan. (no title) Blog on P4Sync network and code, 1 page [online], [retrieved on 2020-03-26]. Retrieved from the Internet URL: https://snarfed.org.p4.	
	28	BAUDISCH et al., "Flat Volume Control: Improving Usability by Hiding the Volume Control Hierarchy in the User Interface," 2004, 8 pages.	
	29	Beatty et al. Web Services Dynamic Discovery WS-Discovery, February 2004, 35 pages.	
	30	BENSLIMANE Abderrahim, "A Multimedia Synchronization Protocol for Multicast Groups," Proceedings of the 26th Euromicro Conference, 2000, pp. 456-463, Vol. 1.	
	31	BIERSACK et al., "Intra- and Inter-Stream Synchronization for Stored Multimedia Streams," IEEE International Conference on Multimedia Computing and Systems, 1996, pp. 372-381.	
	32	BLAKOWSKI G. et al., "A Media Synchronization Survey: Reference Model, Specification, and Case Studies," January 1996, pp. 5-35, Vol. 14, No. 1.	
	33	Blau, John. News Analysis, Wi-Fi Hotspot Networks Sprout Like Mushrooms, September 2002, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Bluetooth. "Specification of the Bluetooth System: The ad hoc SCATTERNET for affordable and highly functional wireless connectivity," Core, Version 1.0 A, 26 July 1999, 1068 pages.	
	35	Bluetooth. "Specification of the Bluetooth System: Wireless connections made easy," Core, Version 1.0 B, 1 December 1999, 1076 pages.	
	36	Bluetooth Specification. Advanced Audio Distribution Profile (A2DP) Specification, 2007, 73 pages.	
	37	Bogen Communications, Inc., ProMatrix Digitally Matrixed Amplifier Model PM3180, Copyright1996, 2 pages.	
	38	BoomBottle MM Blue Hatch 2 -Pack. Blue Hatch Waterproof Dual Pairing Wireless Speakers each with Built-in-MagicMount, 4 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	39	Bootcamp. Digital Music on Your Stereo System. 10 January 2003, 1 page.	
	40	Boraks, David. A Glimpse of the Digital Future Technology Execs Play Prognosticators at Law Vegas Show, NewsRoom. 7 January 2000, 3 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	41	Bose Lifestyle SA-2 and SA-3 Stereo Amplifier Owner's Guide, 2004, 32 pages. .	
	42	Bose. The Bose Lifestyle 50 System. Owner's Guide, October 17, 2001, 55 pages.	
	43	Bose. The Bose Lifestyle Powered Speaker System. Owner's Guide. 20 December 2001, 19 pages.	
	44	Bose. The Bose Lifestyle Powered Speaker System. Owner's Guide, December 20, 2001, 19 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	BRASSIL et al., "Enhancing Internet Streaming Media with Cueing Protocols," 2000, 9 pages.	
	46	BREEBAART et al., "Multi-Channel Goes Mobile: MPEG Surround Binaural Rendering," AES 29th International Conference, September 2-4, 2006, pp. 1-13.	
	47	BRETL W.E., et al., MPEG2 Tutorial [online], 2000 [retrieved on 2009-01-13] Retrieved from the Internet:(http://www.bretl.com/mpeghtml/MPEGindex.htm), pp. 1-23.	
	48	BridgeCo - Wireless Loudspeaker Product Information Version 1.4, 16 December 2003, 5 pages.	
	49	BridgeCo. Audio Adapter, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	50	BridgeCo. BridgeCo Launches UPnP-Compliant Wireless Audio Adapter: Moving More Digital Audio to More Devices in More Locations, Wirelessly. 16 September 2003, 1 page.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	EUROPEAN PATENT OFFICE, Examination Report mailed on 22 March 2016, issued in connection with European Patent Application No. EP14181454.1, 6 pages.	
	2	EUROPEAN PATENT OFFICE, Examination Report mailed on 24 October 2016, issued in connection with European Patent Application No. 13808623.6, 4 pages.	
	3	EUROPEAN PATENT OFFICE, Office Action mailed 25 November 2016, issued in connection with EP Application No. 13810340.3, 5 pages.	
	4	Exstreamer - The Exstreamer Instruction Manual Version 1.5. Barix Think Further. Sourced from Sonos, Inc. v. Lenbrook Industries Limited et al., Defendants' Answer to Plaintiff's Complaint - Exhibit E, filed October 14, 2019, 21 pages.	
	5	Exstreamer - The Exstreamer Technical Description Version 1.5. Barix Think Further. Sourced from Sonos, Inc. v. Lenbrook Industries Limited et al., Defendants' Answer to Plaintiff's Complaint - Exhibit D, filed October 14, 2019, 36 pages .	
	6	Exstreamer. Network MP3 player for digital audio streaming in a consumer, home installation and commercial applications. Barix Think Further. September 2002, 2 pages. .	
	7	Exstreamer. The Exstreamer Instruction Manual. Barix Think Further. Version 1.5 , October 2002, 21 pages. .	
	8	Exstreamer. The Exstreamer Technical Description: Version 1.5. Barix Think Further. October 2002, 36 pages. .	
	9	External Photo. Yamaha Corporation FCC ID: A6RMCX1000A, 2 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	10	Extron System Integrator Speakers. System Integrator Speaker Series. ExtroNews. Issue 16.2, Winter 2005, 32 pages. .	
	11	EZ-Stream 11 Mbps Wireless Audio Adapter. Model Number SMCWAA-B. Home Entertainment Networking, 2 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	FALCONE, John, "Sonos BU150 Digital Music System review," CNET, CNET [online] 2009.07.27 [retrieved on 2016.03.16], 11 pages Retrieved from the Internet: URL:http://www.cnet.com/products/sonos-bu150-digital-music-system/.	
	13	FALLER, Christof, "Coding of Spatial Audio Compatible with Different Playback Formats," Audio Engineering Society Convention Paper (Presented at the 117th Convention), October 28-31, 2004, 12 pages.	
	14	Federal Communications Commission, Declaration of Conformity, Wireless Audio Adapter, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	15	Federal Communications Commission. OET Exhibits List, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	16	Fielding et al. RFC 2616 Hypertext Transfer Protocol – HTTP/1.1, June 1999, 114 pages.	
	17	File History of Re-Examination Application No. 90/013,423 (Sonos Ref. No. 12-0902-REX) retrieved from the U.S. Patent Office (PAIR) on December 5, 2016, 313 pages.	
	18	Final Office Action mailed 05 June 2014, issued in connection with U.S. Patent Application No. 13/907666, filed on 31 May 2013, 12 pages.	
	19	Final Office Action mailed 13 July 2009, issued in connection with U.S. Patent Application No. 10/816217, filed on 01 April 2004, 16 pages.	
	20	Final Office Action mailed 13 September 2012, issued in connection with U.S. Patent Application No. 13/297000, filed on 15 November 2011, 17 pages.	
	21	Final Office Action mailed 18 November 2015, issued in connection with U.S. Patent Application No. 13/533105, filed on 26 June 2012, 56 pages.	
	22	Final Office Action mailed 21 October 2011, issued in connection with U.S. Patent Application No. 10/816217, filed on 01 April 2004, 19 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Final Office Action mailed 27 March 2014, issued in connection with U.S. Patent Application No. 13/533105, filed on 26 June 2012, 29 pages.	
	24	Final Office Action mailed 28 January 2011, issued in connection with U.S. Patent Application No. 10/816217, filed on 01 April 2004, 21 pages.	
	25	Final Office Action mailed 30 June 2008, issued in connection with U.S. Patent Application No. 10/816217, filed on 01 April 2004, 30 pages.	
	26	Final Office Action mailed on 02 June 2017, issued in connection with U.S. Patent Application No. 13/848932, filed on 22 March 2013, 32 pages.	
	27	Final Office Action mailed on 03 August 2015, issued in connection with U.S. Patent Application No. 13/848921, filed on 22 March 2013, 13 pages.	
	28	Final Office Action mailed on 03 December 2014, issued in connection with U.S. Patent Application No. 14/184528, filed on 19 February 2014, 12 pages.	
	29	Final Office Action mailed on 03 July 2012, issued in connection with U.S. Patent Application No. 13/298090, filed on 16 November 2011, 46 pages.	
	30	Final Office Action mailed on 03 June 2016, issued in connection with U.S. Patent Application No. 13/705176, filed on 05 December 2012, 24 pages.	
	31	Final Office Action mailed on 03 March 2015, issued in connection with U.S. Patent Application No. 13/864251, filed on 17 April 2013, 13 pages.	
	32	Final Office Action mailed on 04 March 2015, issued in connection with U.S. Patent Application No. 13/848904, filed on 22 March 2013, 16 pages.	
	33	Final Office Action mailed on 05 July 2013, issued in connection with U.S. Patent Application No. 13/618829, filed on 14 September 2012, 22 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Final Office Action mailed on 05 March 2015, issued in connection with U.S. Patent Application No. 13/888203, filed on 06 May 2013, 13 pages.	
	35	Final Office Action mailed on 07 January 2015, issued in connection with U.S. Patent Application Serial No. 13/848932, filed on 22 March 2013, 14 pages.	
	36	Final Office Action mailed on 08 March 2017, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 39 pages.	
	37	Final Office Action mailed on 09 March 2015, issued in connection with U.S. Patent Application No. 14/516867, filed on 17 October 2014, 14 pages.	
	38	Final Office Action mailed on 10 April 2017, issued in connection with U.S. Patent Application No. 15/243355, filed on 22 August 2016, 15 pages.	
	39	Final Office Action mailed on 10 August 2015, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 26 pages.	
	40	Final Office Action mailed on 11 August 2015, issued in connection with U.S. Patent Application No. 13/864247, filed on 17 April 2013, 15 pages.	
	41	Final Office Action mailed on 11 February 2015, issued in connection with U.S. Patent Application No. 14/184526, filed on 19 February 2014, 13 pages.	
	42	Final Office Action mailed on 11 February 2015, issued in connection with U.S. Patent Application No. 14/184,935, filed on 20 February 2014, 17 pages.	
	43	Final Office Action mailed on 11 July 2017, issued in connection with U.S. Patent Application No. 15/243186, filed on 22 August 2016, 13 pages.	
	44	Final Office Action mailed on 12 February 2015, issued in connection with U.S. Patent Application No. 14/184522, filed on 19 February 2014, 20 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Final Office Action mailed on 12 January 2017, issued in connection with U.S. Patent Application No. 14/504812, filed on 02 October 2014, 25 pages.	
	46	Final Office Action mailed on 13 December 2016, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 41 pages.	
	47	Final Office Action mailed on 13 October 2011, issued in connection with U.S. Patent Application No. 12/035112, filed on 21 February 2008, 10 pages.	
	48	Final Office Action mailed on 14 August 2009, issued in connection with U.S. Patent Application No. 11/147116, filed 06 June 2005, 28 pages.	
	49	Final Office Action mailed on 15 July, 2015, issued in connection with U.S. Patent Application No. 14/504812, filed on 02 October 2014, 18 pages.	
	50	Final Office Action mailed on 15 June 2015, issued in connection with U.S. Patent Application No. 14/184522, filed on 19 February 2014, 25 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Non-Final Office Action mailed on 15 August 2017, issued in connection with U.S. Patent Application No. 14/184522, filed on 19 February 2014, 11 pages.	
	2	Non-Final Office Action mailed on 15 July 2016, issued in connection with U.S. Patent Application No. 14/803953, filed on 20 July 2015, 20 pages.	
	3	Non-Final Office Action mailed on 16 November 2016, issued in connection with U.S. Patent Application No. 15/228639, filed on 04 August 2016, 15 pages.	
	4	Non-Final Office Action mailed on 17 August 2017, issued in connection with U.S. Patent Application No. 14/184528, filed on 19 February 2014, 12 pages.	
	5	Non-Final Office Action mailed on 17 November 2014, issued in connection with U.S. Patent Application No. 13/864247, filed on 17 April 2013, 11 pages.	
	6	Non-Final Office Action mailed on 18 February 2009, issued in connection with U.S. Patent Application No. 10/861653, filed on 05 June 2004, 18 pages.	
	7	Non-Final Office Action mailed on 18 January 2013, issued in connection with U.S. Patent Application No. 13/618829, filed on 14 September 2012, 58 pages.	
	8	Non-Final Office Action mailed on 18 November 2014, issued in connection with U.S. Patent Application No. 13/435739, filed on 30 March 2012, 10 pages.	
	9	Non-Final Office Action mailed on 19 June 2015, issued in connection with U.S. Patent Application No. 13/533105 filed on 26 June 2012, 38 pages.	
	10	Non-Final Office Action mailed on 19 November 2014, issued in connection with U.S. Patent Application No. 13/848921, filed on 22 March 2013, 9 pages.	
	11	Non-Final Office Action mailed on 20 April 2017, issued in connection with U.S. Patent Application No. 90/013882, filed on 27 December 2016, 197 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Non-Final Office Action mailed on 20 August 2009, issued in connection with U.S. Patent Application No. 11/906702, filed on 02 October 2007, 27 pages.	
	13	Non-Final Office Action mailed on 21 February 2020, issued in connection with U.S. Patent Application No. 16/746294, filed on 17 January 2020, 22 pages.	
	14	Non-Final Office Action mailed on 21 September 2016, issued in connection with U.S. Patent Application No. 15/080591, filed on 25 March 2016, 9 pages.	
	15	Non-Final Office Action mailed on 21 September 2016, issued in connection with U.S. Patent Application No. 15/080716, filed on 25 March 2016, 8 pages.	
	16	Non-Final Office Action mailed on 21 September 2016, issued in connection with U.S. Patent Application No. 15/088283, filed on 01 April 2016, 9 pages.	
	17	Non-Final Office Action mailed on 21 September 2016, issued in connection with U.S. Patent Application No. 15/088532, filed on 01 April 2016, 9 pages.	
	18	Non-Final Office Action mailed on 22 September 2016, issued in connection with U.S. Patent Application No. 15/088906, filed on 01 April 2016, 9 pages.	
	19	Non-Final Office Action mailed on 22 September 2016, issued in connection with U.S. Patent Application No. 15/155149, filed on 16 May 2016, 7 pages.	
	20	Non-Final Office Action mailed on 23 July 2018, issued in connection with U.S. Patent Application No. 15/091113, filed on 5 April 2016, 19 pages.	
	21	Non-Final Office Action mailed on 23 June 2015, issued in connection with U.S. Patent Application No. 13/705176, filed on 05 December 2012, 30 pages.	
	22	Non-Final Office Action mailed on 23 October 2014, issued in connection with U.S. Patent Application No. 13/848904, filed on 22 March 2013, 11 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Non-Final Office Action mailed on 23 October 2014, issued in connection with U.S. Patent Application No. 13/864251, filed on 17 April 2013, 11 pages.	
	24	Non-Final Office Action mailed on 23 October 2014, issued in connection with U.S. Patent Application No. 13/888203, filed on 06 May 2013, 9 pages.	
	25	Non-Final Office Action mailed on 23 October 2014, issued in connection with U.S. Patent Application No. 13/932864, filed on 01 July 2013, 20 pages.	
	26	Non-final Office Action mailed on 24 October 2014, issued in connection with U.S. Patent Application No. 13/435776, filed 30 March 2012, 14 pages.	
	27	Non-Final Office Action mailed on 26 February 2015, issued in connection with U.S. Patent Application No. 14/186850, filed on 21 February 2014, 25 pages.	
	28	Non-Final Office Action mailed on 26 July 2017, issued in connection with U.S. Patent Application No. 13/705176, filed on 05 December 2012, 14 pages.	
	29	Non-Final Office Action mailed on 26 March 2015, issued in connection with U.S. Patent Application No. 14/184528, filed on 19 February 2014, 18 pages.	
	30	Non-Final Office Action mailed on 27 June 2008, issued in connection with U.S. Patent Application No. 10/861653, filed on 05 June 2004, 19 pages.	
	31	Non-Final Office Action mailed on 27 March 2015, issued in connection with U.S. Patent Application No. 13/705178, filed on 05 December 2012, 14 pages.	
	32	Non-Final Office Action mailed on 28 December 2015, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 29 pages.	
	33	Non-Final Office Action mailed on 29 November 2016, issued in connection with U.S. Patent Application No. 13/894179, filed on 14 May 2013, 14 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Non-Final Office Action mailed on 30 April 2012, issued in connection with U.S. Patent Application No. 13/204511, filed on 05 August 2011, 16 pages.	
	35	Non-Final Office Action mailed on 30 January 2015, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 29 pages.	
	36	Non-Final Office Action mailed on 30 January 2015, issued in connection with U.S. Patent Application No. 14/504812, filed on 02 October 2014, 13 pages.	
	37	Non-Final Office Action mailed on 30 May 2019, issued in connection with U.S. Patent Application No. 16/298515, filed on 11 March 2019, 22 pages.	
	38	Non-Final Office Action mailed on 30 May 2019, issued in connection with U.S. Patent Application No. 16/298542, filed on 11 March 2019, 22 pages.	
	39	Non-Final Office Action mailed on 30 November 2016, issued in connection with U.S. Patent Application No. 15/243186, filed on 22 August 2016, 12 pages.	
	40	Non-Final Office Action mailed on 30 September 2016, issued in connection with U.S. Patent Application No. 13/864249, filed on 17 April 2013, 12 pages.	
	41	Non-Final Office Action mailed on 31 December 2013, issued in connection with U.S. Patent Application No. 13/618829, filed 14 September 2012, 26 pages.	
	42	North American MPEG-2 Information, "The MPEG-2 Transport Stream," Retrieved from the Internet: URL: http://www.coolstf.com/mpeg/#ts, 2006, pp. 1-5.	
	43	Notice of Allowance mailed 31 January 2013, issued in connection with U.S. Patent Application No. 13/298090, filed on 16 November 2011, 19 pages.	
	44	Notice of Allowance mailed on 01 December 2016, issued in connection with U.S. Patent Application No. 15/088283, filed on 01 April 2016, 9 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Notice of Allowance mailed on 01 June 2017, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 12 pages.	
	46	Notice of Allowance mailed on 02 December 2016, issued in connection with U.S. Patent Application No. 15/088532, filed on 01 April 2016, 9 pages.	
	47	Notice of Allowance mailed on 02 December 2016, issued in connection with U.S. Patent Application No. 15/088678, filed on 01 April 2016, 9 pages.	
	48	Notice of Allowance mailed on 02 December 2016, issued in connection with U.S. Patent Application No. 15/089758, filed on 04 April 2016, 9 pages.	
	49	Notice of Allowance mailed on 02 December 2016, issued in connection with U.S. Patent Application No. 15/155149, filed on 16 May 2016, 9 pages.	
	50	Notice of Allowance mailed on 02 July 2015, issued in connection with U.S. Patent Application No. 13/848904, filed on 22 March 2013, 17 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	EUROPEAN PATENT OFFICE, Examination Report mailed on 22 March 2016, issued in connection with European Patent Application No. EP14181454.1, 6 pages.	
	2	EUROPEAN PATENT OFFICE, Examination Report mailed on 24 October 2016, issued in connection with European Patent Application No. 13808623.6, 4 pages.	
	3	EUROPEAN PATENT OFFICE, Office Action mailed 25 November 2016, issued in connection with EP Application No. 13810340.3, 5 pages.	
	4	Exstreamer - The Exstreamer Instruction Manual Version 1.5. Barix Think Further. Sourced from Sonos, Inc. v. Lenbrook Industries Limited et al., Defendants' Answer to Plaintiff's Complaint - Exhibit E, filed October 14, 2019, 21 pages.	
	5	Exstreamer - The Exstreamer Technical Description Version 1.5. Barix Think Further. Sourced from Sonos, Inc. v. Lenbrook Industries Limited et al., Defendants' Answer to Plaintiff's Complaint - Exhibit D, filed October 14, 2019, 36 pages .	
	6	Exstreamer. Network MP3 player for digital audio streaming in a consumer, home installation and commercial applications. Barix Think Further. September 2002, 2 pages. .	
	7	Exstreamer. The Exstreamer Instruction Manual. Barix Think Further. Version 1.5 , October 2002, 21 pages. .	
	8	Exstreamer. The Exstreamer Technical Description: Version 1.5. Barix Think Further. October 2002, 36 pages. .	
	9	External Photo. Yamaha Corporation FCC ID: A6RMCX1000A, 2 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	10	Extron System Integrator Speakers. System Integrator Speaker Series. ExtroNews. Issue 16.2, Winter 2005, 32 pages. .	
	11	EZ-Stream 11 Mbps Wireless Audio Adapter. Model Number SMCWAA-B. Home Entertainment Networking, 2 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	FALCONE, John, "Sonos BU150 Digital Music System review," CNET, CNET [online] 2009.07.27 [retrieved on 2016.03.16], 11 pages Retrieved from the Internet: URL:http://www.cnet.com/products/sonos-bu150-digital-music-system/.	
	13	FALLER, Christof, "Coding of Spatial Audio Compatible with Different Playback Formats," Audio Engineering Society Convention Paper (Presented at the 117th Convention), October 28-31, 2004, 12 pages.	
	14	Federal Communications Commission, Declaration of Conformity, Wireless Audio Adapter, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	15	Federal Communications Commission. OET Exhibits List, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	16	Fielding et al. RFC 2616 Hypertext Transfer Protocol – HTTP/1.1, June 1999, 114 pages.	
	17	File History of Re-Examination Application No. 90/013,423 (Sonos Ref. No. 12-0902-REX) retrieved from the U.S. Patent Office (PAIR) on December 5, 2016, 313 pages.	
	18	Final Office Action mailed 05 June 2014, issued in connection with U.S. Patent Application No. 13/907666, filed on 31 May 2013, 12 pages.	
	19	Final Office Action mailed 13 July 2009, issued in connection with U.S. Patent Application No. 10/816217, filed on 01 April 2004, 16 pages.	
	20	Final Office Action mailed 13 September 2012, issued in connection with U.S. Patent Application No. 13/297000, filed on 15 November 2011, 17 pages.	
	21	Final Office Action mailed 18 November 2015, issued in connection with U.S. Patent Application No. 13/533105, filed on 26 June 2012, 56 pages.	
	22	Final Office Action mailed 21 October 2011, issued in connection with U.S. Patent Application No. 10/816217, filed on 01 April 2004, 19 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Final Office Action mailed 27 March 2014, issued in connection with U.S. Patent Application No. 13/533105, filed on 26 June 2012, 29 pages.	
	24	Final Office Action mailed 28 January 2011, issued in connection with U.S. Patent Application No. 10/816217, filed on 01 April 2004, 21 pages.	
	25	Final Office Action mailed 30 June 2008, issued in connection with U.S. Patent Application No. 10/816217, filed on 01 April 2004, 30 pages.	
	26	Final Office Action mailed on 02 June 2017, issued in connection with U.S. Patent Application No. 13/848932, filed on 22 March 2013, 32 pages.	
	27	Final Office Action mailed on 03 August 2015, issued in connection with U.S. Patent Application No. 13/848921, filed on 22 March 2013, 13 pages.	
	28	Final Office Action mailed on 03 December 2014, issued in connection with U.S. Patent Application No. 14/184528, filed on 19 February 2014, 12 pages.	
	29	Final Office Action mailed on 03 July 2012, issued in connection with U.S. Patent Application No. 13/298090, filed on 16 November 2011, 46 pages.	
	30	Final Office Action mailed on 03 June 2016, issued in connection with U.S. Patent Application No. 13/705176, filed on 05 December 2012, 24 pages.	
	31	Final Office Action mailed on 03 March 2015, issued in connection with U.S. Patent Application No. 13/864251, filed on 17 April 2013, 13 pages.	
	32	Final Office Action mailed on 04 March 2015, issued in connection with U.S. Patent Application No. 13/848904, filed on 22 March 2013, 16 pages.	
	33	Final Office Action mailed on 05 July 2013, issued in connection with U.S. Patent Application No. 13/618829, filed on 14 September 2012, 22 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Final Office Action mailed on 05 March 2015, issued in connection with U.S. Patent Application No. 13/888203, filed on 06 May 2013, 13 pages.	
	35	Final Office Action mailed on 07 January 2015, issued in connection with U.S. Patent Application Serial No. 13/848932, filed on 22 March 2013, 14 pages.	
	36	Final Office Action mailed on 08 March 2017, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 39 pages.	
	37	Final Office Action mailed on 09 March 2015, issued in connection with U.S. Patent Application No. 14/516867, filed on 17 October 2014, 14 pages.	
	38	Final Office Action mailed on 10 April 2017, issued in connection with U.S. Patent Application No. 15/243355, filed on 22 August 2016, 15 pages.	
	39	Final Office Action mailed on 10 August 2015, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 26 pages.	
	40	Final Office Action mailed on 11 August 2015, issued in connection with U.S. Patent Application No. 13/864247, filed on 17 April 2013, 15 pages.	
	41	Final Office Action mailed on 11 February 2015, issued in connection with U.S. Patent Application No. 14/184526, filed on 19 February 2014, 13 pages.	
	42	Final Office Action mailed on 11 February 2015, issued in connection with U.S. Patent Application No. 14/184,935, filed on 20 February 2014, 17 pages.	
	43	Final Office Action mailed on 11 July 2017, issued in connection with U.S. Patent Application No. 15/243186, filed on 22 August 2016, 13 pages.	
	44	Final Office Action mailed on 12 February 2015, issued in connection with U.S. Patent Application No. 14/184522, filed on 19 February 2014, 20 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Final Office Action mailed on 12 January 2017, issued in connection with U.S. Patent Application No. 14/504812, filed on 02 October 2014, 25 pages.	
	46	Final Office Action mailed on 13 December 2016, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 41 pages.	
	47	Final Office Action mailed on 13 October 2011, issued in connection with U.S. Patent Application No. 12/035112, filed on 21 February 2008, 10 pages.	
	48	Final Office Action mailed on 14 August 2009, issued in connection with U.S. Patent Application No. 11/147116, filed 06 June 2005, 28 pages.	
	49	Final Office Action mailed on 15 July, 2015, issued in connection with U.S. Patent Application No. 14/504812, filed on 02 October 2014, 18 pages.	
	50	Final Office Action mailed on 15 June 2015, issued in connection with U.S. Patent Application No. 14/184522, filed on 19 February 2014, 25 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	NewsRoom, Sensible Sound, Goin' to a show-show, Surveying The Soundscape, 1 June 2003, 8 pages.	
	2	NewsRoom. Shaw, K., Cool Tools, 20 January 2003, 2 pages.	
	3	NewsRoom. Sheehan, W., More brains, less brawn. 1 September 2003, 3 pages.	
	4	NewsRoom. Sidener, J., Everett Roach, 14 July 2003, 2 pages.	
	5	NewsRoom. Sirius XM Companies Flood Cedia With New Products. Satellite Week. 15 September 2003, 2 pages.	
	6	NewsRoom. Slim Devices Introduces Slimserver, 18 November 2003, 2 pages.	
	7	NewsRoom. Slim Devices Introduces Slimserver. PR Newswire. 18 November 2003, 2 pages.	
	8	NewsRoom. Slim Devices Introduces Squeezebox, 18 November, 2003, 2 pages.	
	9	NewsRoom. SMC Sponsors Canada's First Combined 'LAN Event' for Gamers: DreamlanSMC, 15 January 2004, 2 pages.	
	10	NewsRoom. SMC Sponsors Canada's First Combined 'LAN Event' for Gamers: DreamlanSMC, 15 January 2004, 3 pages.	
	11	NewsRoom. SMC Sponsors Home by Design Showhouse/Connected by Design Tour, 6 January 2004, 3 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	NewsRoom. SMC Teams with Get Digital to Offer Free Music Conversion to Its Wireless Audio Adapter Users, 23 February 2004, 3 pages.	
	13	NewsRoom. SMC teams with Get Digital to offer free music conversion to wireless users, 29 March 2004, 1 page.	
	14	NewsRoom. SMC to Offer Home Entertainment Networking Bundle With New Intel Desktop Boards, 3 November, 2003, 3 pages.	
	15	NewsRoom. Sonic divide crumbles, 2001 WLNR 5430795. 5 September 2001, 3 pages.	
	16	NewsRoom. SOUND AND FURY THE LATEST IN VOLUME AND VIDEO AT SF HOME ENTERTAINMENT SHOW 6 June 2003, 3 pages.	
	17	NewsRoom. Sound Blaster Goes Wireless, 30 September 2003, 3 pages.	
	18	NewsRoom. St. Paul Pioneer Press, Guide To Better Giving You Know These People. Why Is It So Hard To Buy For Them? Maybe It's Not: Everyone Need Technology, From the Littlest Angel to the Most Resistant Grandparent, 24 November 2003, 6 pages.	
	19	NewsRoom. Sullivan, A., PluggedIn - Digital music migrates to the home stereo, 28 October 2003, 3 pages.	
	20	NewsRoom. Tech along, 25 January 2004, 3 pages.	
	21	NewsRoom. Technology Life in the iPad. 15 March 2007, 5 pages.	
	22	NewsRoom. Televisions defy hi-tech trend for minimalism, 19 February 2004, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	NewsRoom. The 50 Best Music Systems, 13 December 2003, 15 pages.	
	24	NewsRoom. The Age (Australia), Fresh Gadgets, 2001 WLNR 13294645, 7 September 2001, 3 pages.	
	25	NewsRoom. The Dallas Morning News, Honorable mentions worth a look, 20 November 2003, 2 pages.	
	26	NewsRoom. The Dallas Morning News, Innovations Hasten Trend of On-the-Go Music, Video, Technology, 16 January 2003, 4 pages.	
	27	NewsRoom. The Dallas Morning News, Wireless Technology Focus of Consumer Electronics Show in Las Vegas, 9 January 2003, 4 pages.	
	28	NewsRoom, THE GOODS WHATS' NEW WHAT'S HOT, 9 November 2000, 2 pages.	
	29	NewsRoom. THE NEXT ACE IN THE HOLE? – Epson HP set the stage for promising alternatives to wired solutions in vertical markets, 14 January 2002, 3 pages.	
	30	NewsRoom. The Orange County Register, Holiday Season Brings Gift Ideas for Tech-Heads, Gadget Groupie, 8 December 2003, 4 pages.	
	31	NewsRoom. The personal computer shows its creative side. Technology has discovered its next "killer app." 14 August 2003, 3 pages.	
	32	NewsRoom. The top 25: computer shopper editors handpick this months best desktops notebooks digital audio receivers, handhelds, and software. 1 November 2003, 3 pages.	
	33	NewsRoom. The toys of summer: Some cool tools that will get you through the lazy days. 1 September 2003, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	NewsRoom. The wide world of Wi-Fi: wherever you are, wireless networking is where it's at. Find out which Wi-Fi components will help you stay connected while... 1 May 2004, 7 pages.	
	35	NewsRoom. Ticker, 1 August 2003, 2 pages.	
	36	NewsRoom. Washington Post, Ask the Computer Guy, 11 January 2004, 2 pages.	
	37	NewsRoom. Yamaha Announces the Worlds First Wireless Home Music System. 11 August 2003, 2 pages.	
	38	NewsRoom. Yamaha Musiccast An easy way to spread music around your home. 1 December 2003, 2 pages.	
	39	NewsRoom.Slim Devices Introduces Squeezebox. PR Newswire. 18 November 2003, 2 pages.	
	40	"NexSys Software v.3 Manual," Crest Audio, Inc., 1997, 76 pages.	
	41	NIEDERST, JENNIFER "O'Reilly Web Design in a Nutshell," Second Edition, September 2001, 678 pages.	
	42	Niles SI-1230. Systems Integration Amplifier. Installation & Operation Guide, 2009, 32 pages.	
	43	Niles SI-1260. Systems Integration Amplifier. Installation & Operation Guide, 2000, 32 pages.	
	44	NILES SVL-4 Speaker Selection/Volume Control System Installation & Operation Guide. Copyright 1999. Sourced from Sonos, Inc. v. Lenbrook Industries Limited et al., Defendants' Answer to Plaintiff's Complaint - Exhibit C, filed October 14, 2019, 16 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	NILSSON, M., "ID3 Tag Version 2," March 26,1998, 28 pages.	
	46	Non-Final Office Action mailed 01 May 2014, issued in connection with U.S. Patent Application No. 14/184522, filed 19 February 2014, 31 pages.	
	47	Non-Final Office Action mailed 05 December 2013, issued in connection with U.S. Patent Application No. 13/827653, filed 14 March 2013, 28 pages.	
	48	Non-Final Office Action mailed 05 January 2012, issued in connection with U.S. Patent Application No. 13/298090, filed on 16 November 2011, 40 pages.	
	49	Non-Final Office Action mailed 06 May 2014, issued in connection with U.S. Paten Application No. 13/705176, filed 05 December 2012, 23 pages.	
	50	Non-Final Office Action mailed 07 September 2016, issued in connection with U.S. Patent Application No. 13/864248, filed 17 April 2013, 12 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Sonos, Inc. v. Google LLC. Respondents' Final Invalidity Contentions [Redacted] dated 4 September 2020, 261 pages.	
	2	Sonos, Inc. v. Google LLC, Respondents' Response to the Complaint and Notice of Investigation, filed February 27, 2020, 46 pages.	
	3	Sonos, Inc. v. Implicit, LLC: Declaration of Roman Chertov in Support of the Inter Partes Review of U.S. Patent No. 7,391,791 dated March 9, 2018, 92 pages.	
	4	Sonos, Inc. v. Implicit, LLC: Declaration of Roman Chertov in Support of the Inter Partes Review of U.S. Patent No. 8,942,252 dated March 9, 2018, 81 pages.	
	5	Sonos, Inc. v. Lenbrook Industries Limited et al., Defendants' Answer to Plaintiff's Complaint, filed October 14, 2019, 66 pages.	
	6	Sonos, Inc. v. Lenbrook Industries Limited et al., Defendants' First Amended Answer and Counterclaims to Plaintiff's Complaint, filed November 14, 2019, 66 pages.	
	7	Sonos System Overview, Version 1.0, July 2011, 12 pages.	
	8	Sonos v. Google. Exhibit A to Respondents' Initial Invalidity Contentions dated 29 April 2020, 194 pages.	
	9	Sonos v. Google. Respondents' Initial Invalidity Claim Charts for Patent US 10,439,896, Exhibits 1-16 and B, dated 29 April 2020, 1102 pages.	
	10	Sonos v. Google. Respondents' Initial Invalidity Claim Charts for US Patent 10,209,953, Exhibits 1-10 and B, dated 29 April 2020, 288 pages.	
	11	Sonos v. Google. Respondents' Initial Invalidity Claim Charts for US Patent 8,588,949, Exhibits 1-19 and B, dated 29 April 2020, 280 pages. .	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Sonos v. Google. Respondents' Initial Invalidity Claim Charts for US Patent 9,195,258, Exhibits 1 - 10 and B, dated 29 April 2020, 345 pages. .	
	13	Sonos v. Google. Respondents' Initial Invalidity Claim Charts for US Patent 9,219,959, Exhibits 1-9 and B, dated 29 April 2020, 344 pages. .	
	14	Sonos v. Google. Respondents' Initial Invalidity Contentions dated 29 April 2020, 200 pages.	
	15	Sony: AIR-SA 50R Wireless Speaker, Copyright 2009, 2 pages.	
	16	Sony: Altus Quick Setup Guide ALT-SA32PC, Copyright 2009, 2 pages.	
	17	Sony: BD/DVD Home Theatre System Operating Instructions for BDV-E300, E301 and E801, Copyright 2009, 115 pages.	
	18	Sony: BD/DVD Home Theatre System Operating Instructions for BDV-IT1000/BDV-IS1000, Copyright 2008, 159 pages.	
	19	Sony: Blu-ray Disc/DVD Home Theatre System Operating Instructions for BDV-IZ1000W, Copyright 2010, 88 pages.	
	20	Sony: DVD Home Theatre System Operating Instructions for DAV-DZ380W/DZ680W/DZ880W, Copyright 2009, 136 pages.	
	21	Sony: DVD Home Theatre System Operating Instructions for DAV-DZ870W, Copyright 2008, 128 pages.	
	22	Sony Ericsson MS500 User Guide, Copyright 2009, 2 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Sony. Home Theatre System. HT-DDW790 and HT-DDW685 Operating Instructions, 2007, 64 pages.	
	24	Sony: Home Theatre System Operating Instructions for HT-IS100, Copyright 2008, 168 pages.	
	25	Sony: HT-IS100, 5.1 Channel Audio System, last updated November 2009, 2 pages.	
	26	Sony: Multi Channel AV Receiver Operating Instructions, 2007, 80 pages.	
	27	Sony: Multi Channel AV Receiver Operating Instructions for STR-DN1000, Copyright 2009, 136 pages.	
	28	Sony Shows Off Range of Home LANs, 15 December 2000, 1 page.	
	29	Sony: STR-DN1000, Audio Video Receiver, last updated August 2009, 2 pages.	
	30	Sony: Wireless Surround Kit Operating Instructions for WHAT-SA2, Copyright 2010, 56 pages.	
	31	Sound Blaster Wireless Music Network Setup, 28 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	32	Sound Blaster, Wireless Music. User's Guide: Creative Sound Blaster Wireless Music Version 1.0, August 2003, 66 pages.	
	33	Space.com. Tech Today: News about the latest gizmos and gadgets conveniently available on Earth, 14 February 2004, 2 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Squeezebox by Logitech. Owner's Guide, 2007, 32 pages. .	
	35	Squeezebox Duet Network Music System by Logitech. User Guide English (North America), 2008, 45 pages.	
	36	Squeezebox Network Music Player. Owner's Manual, Slim Devices, 2003, 22 pages.	
	37	Step-by-step P4 Connection. P4 Poster (without music), 5 pages [online], [retrieved on 2020-03-26]. Retrieved from the Internet URL: https://snarfed.org/p4_poster/index.html.	
	38	Steve Jobs introduces AirPort Express All Things D2 (2004) - YouTube available via https://www.youtube.com/watch?v=hq5_P90pOqo 3 pages, [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	39	Structured Media Components. Leviton Integrated Networks, last modified 10 April 2006, 28 pages.	
	40	Support. Manuals & Documentation. Micro Audio System MCW770/37. Philips. Copyright 2004-2020, 3 pages. [online], [retrieved on 2020-02-24]. Retrieved from the Internet URL: https://www.usa.philips.con/c-p/MCW770_37/-/support.	
	41	Synchronizing mp3 playback. 3 pages [online]. [retrieved on 2020-03-26]. Retrieved from the Internet URL: https://snarfed.org/synchronizing_mp3_playback.	
	42	TAYLOR, Marilou, "Long Island Sound," Audio Video Interiors, April 2000, 8 pages.	
	43	Technology. cd30 is developing products which implement NAVOS, allowing consumers to get better utility out of their home media libraries. 21 November 2003, 1 pages.	
	44	Teirikangas, Jussi. HAVi: Home Audio Video Interoperability. Helsinki University of Technology, 2001, 10 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Test Report No.: 23GE0067-HO-2. Appendix 1: Photographs of test setup, Conducted Emissions. 25 April 2003, 4 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	46	Thaler et al. Scalability and Synchronization in IEEE 1394-Based Content-Creation Networks. Audio Engineering Society Convention Paper 5461, 21-24 September 2001, 16 pages.	
	47	The Measurement of Conducted Spurious Emissions, Conducted Spurious Emissions Measurement, ADT No. 921020H02, 5 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	48	TOA Corporation, Digital Processor DP-0206 DACsys2000 Version 2.00 Software Instruction Manual, Copyright 2001, 67 pages.	
	49	TOA Electronics, Inc. DP-0206 Digital Signal Processor. DACsys 2000, 2001, 12 pages. .	
	50	Tom's Hardware Guide: Nachrichten. Nachrichten vom 10 Januar 2003, 3 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	ContentDirectory:1 Service Template Version 1.01 For UPnP, Version 1.0 (June 25, 2002) (89 pages).	
	2	Corrected Notice of Allowability mailed on 23 December 2016, issued in connection with U.S. Patent Application No. 14/803953 filed on 20 July 2015, 18 pages.	
	3	Corrected Notice of Allowance mailed on 19 August 2015, issued in connection with U.S. Patent Application No. 13/907666, filed on 31 May 2013, 2 pages.	
	4	Creating the Future of Home Entertainment Today. NetStreams Product Catalog 2003/2004, 20 pages. .	
	5	Creative, "Connecting Bluetooth Devices with Creative D200," http://support.creative.com/kb/ShowArticle.aspx?url=http://ask.creative.com:80/SRVS/CGI-BIN/WEBCGI.EXE/,/?St=106,E=0000000000396859016,K=9377,Sxi=8,VARSET=ws:http://us.creative.com,case=63350, available on 11/28/2011, 2 pages.	
	6	Creative Sound Blaster Wireless Music, User's Guide, Version 1.0, August 2003, 61 pages.	
	7	Crest Audio Pro Series 8001 Power Amplifier. V. 2.2 March 25, 1997, 2 pages.	
	8	Creston's Adagio Entertainment System with New AMS Processor Wins Awards at CEDIA, 29 September 2006, 3 pages.	
	9	Crestron Adagio AMS Media System Operations Guide, 2008, 114 pages.	
	10	Crestron. Adagio. Home Entertainment is Just the Beginning...2007, 10 pages.	
	11	Crestron. AVS Forum. 1 December 2007, 9 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Crestron, Industry Awards, Crestron's Spirit of Innovation has Resulted in the Most Award-Winning Products in the Industry, 2006, 6 pages.	
	13	Crestron, Industry Awards, Crestron's Spirit of Innovation has Resulted in the Most Award-Winning Products in the Industry, 2007, 5 pages.	
	14	Crome, Caleb. Logitech Squeezebox Boom Audio Design, 2008, 11 pages.	
	15	Crouch, Cameron. CES showcases Internet everywhere. CNN.com 7 January 2000, 2 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	16	Crown PIP Manual available for sale at least 2004, 68 pages.	
	17	DANNENBERG et al., "A. System Supporting Flexible Distributed Real-Time Music Processing," Proceedings of the 2001 International Computer Music Conference, 2001, 4 pages.	
	18	DANNENBERG, Roger B., "Remote Access to Interactive Media," Proceedings of the SPIE 1785, 1993, pp. 230-237.	
	19	Davies, Chris. Sony Ericsson MS500 Bluetooth Splashproof Speaker. http://www.slashgear.com/sony-ericsson-ms500-bluetooth-splashproof. March 17, 2009, 2 pages. .	
	20	DAY, Rebecca, "Going Elan!" Primedia Inc., 2003, 4 pages.	
	21	Deep-Sleep Implementation in WL60011 for IEEE 802.11b Applications, AVAGO0020, Agere Systems, July 2004, 22 pages.	
	22	Dell, Inc. "Dell Digital Audio Receiver: Reference Guide," June 2000, 70 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Dell, Inc. "Start Here," June 2000, 2 pages.	
	24	"Denon 2003-2004 Product Catalog," Denon, 2003-2004, 44 pages.	
	25	Denon AV Surround Receiver AVR-1604/684 User's Manual, 2004, 128 pages.	
	26	Denon AV Surround Receiver AVR-5800 Operating Instructions, Copyright 2000, 67 pages.	
	27	Denon AVR-3805 A/V Surround Receiver. Datasheet, last modified 1 March 2004, 2 pages. .	
	28	Designing a UPnP AV MediaServer, Nelson Kidd (2003) (SONDM000115062-116) (55 pages).	
	29	DHIR, Amit, "Wireless Home Networks - DECT, Bluetooth, Home RF, and Wirelss LANs," XILINX, wp135 (v1.0), March 21, 2001, 18 pages.	
	30	Dierks et al. RFC 2246 The TLS Protocol, January 1999, 80 pages.	
	31	Digigram. EtherSound ES8in/8out Ethernet Audio Bridges. Easy and Cost-Effective Audio Distribution, November 2002, 4 pages.	
	32	D-Link. User's Manual, Wireless HD Media Player, Version 1.1, DSM-520, 28 September 2005, 127 pages.	
	33	DLNA. Overview and Vision, White Paper, June 2004, 16 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	DLNA. Use Case Scenarios, White Paper, June 2004, 15 pages. .	
	35	"DP-0206 Digital Signal Processor," TOA Electronics, Inc., 2001, pp. 1-12.	
	36	DP-0206 TOA Digital Signal Processor. TOA Corporation, 2001, 4 pages. .	
	37	Duo Soundolier. Sound & Light : Wireless Speaker Torchiere. Soundolier Integrated Wireless Technologies, 2006, 3 pages.	
	38	ECMA. Near Field Communication – White Paper, Ecma/TC32-TG19/2004/1, 9 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	39	ECMA. Near Field Communication, ECMA/TC32-TG19, October 2002, 15 pages.	
	40	ECMA. Standard ECMA-340, Near Field Communication – Interface and Protocol NFCIP-1, December 2002, 66 pages.	
	41	Ecma. What is Ecma? 2 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	42	Epson. EpsonNet 802.11B, Convenient Printing Using Wireless Technology, 2002, 2 pages.	
	43	Epson. EpsonNet 802.11b, User's Guide, 2002, 68 pages.	
	44	Epson Product Support Bulletin. PSB # PSB.2003.05.005, EpsonNet 802.11b Wireless Print Server, 30 April 2003, 30 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Epson Product Support Bulletin. PSB # PSB.2003.05.007, EpsonNet 802.11b Wireless Print Server, 23 April 2003, 10 pages.	
	46	Epson Stylus C80WN. Quick Start, 2002, 2 pages.	
	47	Epson Stylus C80WN. Setup and Installation, November 2001, 67 pages.	
	48	EUROPEAN PATENT OFFICE, European Extended Search Report mailed 07 March 2016, issued in connection with EP Application No. 13810340.3, 9 pages.	
	49	EUROPEAN PATENT OFFICE, European Extended Search Report mailed on 28 February 2014, issued in connection with EP Application No. 13184747.7, 8 pages.	
	50	EUROPEAN PATENT OFFICE, European Extended Search Report mailed on 31 March 2015, issued in connection with EP Application No. 14181454.1, 9 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	JAPANESE PATENT OFFICE, Office Action mailed on 29 March 2016, issued in connection with Japanese Patent Application No. JP2015-520288, 12 pages.	
	2	JAPANESE PATENT OFFICE, Office Action mailed on 29 November 2016, issued in connection with Japanese Application No. 2015-516169, 4 pages.	
	3	JAPANESE PATENT OFFICE, Office Action Summary mailed on 02 February 2016, issued in connection with Japanese Patent Application No. 2015-520286, 6 pages.	
	4	JAPANESE PATENT OFFICE, Office Action Summary mailed on 19 November 2013, issued in connection with Japanese Patent Application No. 2012-178711, 5 pages.	
	5	JO et al., "Synchronized One-to-many Media Streaming with Adaptive Playout Control," Proceedings of SPIE, 2002, pp. 71-82, Vol. 4861.	
	6	Johnson, Ian. SMC EZ-Stream Universal Wireless Multimedia Receiver - The Globe and Mail, 3 December 2003, 6 pages.	
	7	JONES, Stephen, "Dell Digital Audio Receiver: Digital upgrade for your analog stereo," Analog Stereo, 24 June 2000 http://www.reviewsonline.com/articles/961906864.htm retrieved 18 June 2014, 2 pages.	
	8	Kostiainen, K., Intuitive Security Initiation Using Location-Limited Channels. Helsinki University of Technology, Master's Thesis 14 April 2004, 86 pages.	
	9	KOU et al., "RenderingControl:1 Service Template Verion 1.01," Contributing Members of the UPnP Forum, June 25, 2002, 63 pages.	
	10	Kraemer, Alan. Two Speakers Are Better Than 5.1 - IEEE Spectrum, 1 May 2001, 6 pages.	
	11	LA Audio ZX135E 6 Zone Expander. Pro Audio Design Pro. Inc. https://www.proaudiodesign.com/products/la-audio-zx135e-6-zone-expander, accessed March 26, 2020, 6 pages. .	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Lake Processors: Lake® LM Series Digital Audio Processors Operation Manual, 2011, 71 pages.	
	13	LEVERGOOD et al., "AudioFile: A Network-Transparent System for Distributed Audio Applications," Digital Equipment Corporation, 1993, 109 pages.	
	14	LG: RJP-201M Remote Jack Pack Installation and Setup Guide, 2010, 24 pages.	
	15	LIENHART et al., "On the Importance of Exact Synchronization for Distributed Audio Signal Processing," Session L: Poster Session II - ICASSP'03 Papers, 2002, 1 page.	
	16	Linksys 2.4GHz Wireless-B - User Guide Media Link for Music Model WML11B/WMLS11B, 68 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	17	Linksys 2.4GHz Wireless-B - User Guide V2 Model WMA11B, 68 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	18	LinkSys by Cisco, Wireless Home Audio Controller, Wireless-N Touchscreen Remote DMRW1000 Datasheet, Copyright 2008, 2 pages.	
	19	LinkSys by Cisco, Wireless Home Audio Controller, Wireless-N Touchscreen Remote DMRW1000 User Guide, Copyright 2008, 64 pages.	
	20	LinkSys by Cisco, Wireless Home Audio Player, Wireless-N Music Extender DMP100 Quick Installation Guide, Copyright 2009, 32 pages.	
	21	LinkSys by Cisco, Wireless Home Audio Player, Wireless-N Music Extender DMP100 User Guide, Copyright 2008, 65 pages.	
	22	Linksys. Quick Installation for Windows XP ONLY. Wireless-B Media Adapter, 2 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Linksys. Wireless Adapters, 2003, 2 pages.	
	24	Linksys Wireless Music Network Setup, 76 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	25	Linksys. Wireless PrintServer, User Guide, Model No.: WPS11 Version 3, 2002, 31 pages.	
	26	Linksys Wireless-B Media Adapter - User Guide V1 Model WMA11B, 2003, 32 pages.	
	27	Linksys. Wireless-B Media Adapter, Product Data, Model No.: WMA11B, 2003, 2 pages.	
	28	Linksys. Wireless-B Media Adapter, WMA11B, 2003, 2 pages.	
	29	Linux SDK for UPnP Devices v. 1.2 (Sep. 6, 2002) (101 pages).	
	30	"Linux SDK for UPnP Devices vl.2," Intel Corporation, January 17, 2003, 102 pages.	
	31	LIU et al., "A synchronization control scheme for real-time streaming multimedia applications," Packet Video, 2003, 10 pages, Vol. 2003.	
	32	LIU et al., "Adaptive Delay Concealment for Internet Voice Applications with Packet-Based Time-Scale Modification," Information Technologies 2000, pp. 91-102.	
	33	Ljungstrand et al. UBICOMP 2002, Adjunct Proceedings, Fourth International Conference on Ubiquitous Computing, 2002, 90 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Logitech Slimserver. Server for Logitech Squeezebox Players. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	35	Logitech/slimserver. Github. 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	36	Logitech/Slimserver. Github. Version 2.3 Release. 19 May 2002. 2 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	37	LOUDERBACK, Jim, "Affordable Audio Receiver Furnishes Homes With MP3," TechTV Vault. 28 June 2000 retrieved 10 July 2014, 2 pages.	
	38	Malik, Om. Wi-Fi Goes Hi-Fi. MIT Technology Review, 18 April 2003, 8 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	39	Maniactools, "Identify Duplicate Files by Sound," 09/28/2010, http://www.maniactools.com/soft/music-duplicate-remover/identify-duplicate-files-by-sound.shtml.	
	40	Marchetti, Nino. EdgeReview, CES 2003 Home Network Entertainment, 28 January 2003, 2 pages.	
	41	McGlaun, Shane. Best Buy unveils new Rocketboost RF-RBKIT whole home audio solution and more. 22 October 2009, 7 pages.	
	42	MediaLounge Entertainment Network D-Link DSM-320 Wireless Media Player Manual v 1.0, 59 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	43	MediaRenderer:1 Device Template Version 1.01 For UPnP, Version 1.0 (June 25, 2002) (12 pages).	
	44	MediaServer:1 Device Template Version 1.01 For UPnP, Version 1.0 (June 25, 2002) (12 pages).	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Microsoft, Universal Plug and Play (UPnP) Client Support ("Microsoft UPnP") (August 2001) (D+M_0402007-24) (18 pages).	
	46	Microsoft Window's XP Reviewer's Guide (August 2001) (D+M_0402225-85) (61 pages).	
	47	"Microsoft Windows XP File and Printer Share with Microsoft Windows" Microsoft Windows XP Technical Article, 2003, 65 pages.	
	48	Microsoft Windows XP Student Edition Complete. University of Salford. Custom Guide Learn on Demand, 2004, 369 pages.	
	49	Micro-Star International. 865PE Neo2. MS-6728 v1.X ATX Mainboard. Version 1.1. April 2003, 118 pages.	
	50	Miller II, Stanley. Technology gets simpler and smarter. JSOnline Milwaukee Journal Sentinel, 13 January 2003, 3 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	ROTHERMEL et al., "Synchronization in Joint-Viewing Environments," University of Stuttgart Institute of Parallel and Distributed High-Performance Systems, 1992, 13 pages.	
	2	ROTHERMEL, Kurt, "State-of-the-Art and Future Research in Stream Synchronization," University of Stuttgart, 3 pages.	
	3	"RVL-6 Modular Multi-Room Controller, Installation & Operation Guide," Nile Audio Corporations, 1999, 46 pages.	
	4	Schertel, Barry. Griffin Evolve Wireless iPod Speakers, 18 February 2008, 4 pages.	
	5	SCHMANDT et al., "Impromptu: Managing Networked Audio Applications for Mobile Users," 2004, 11 pages.	
	6	SCHULZRINNE et al., "RTP: A Transport Protocol for Real-Time Applications," Network Working Group, January 1996, pp. 1-75.	
	7	SCHULZRINNE H., et al., "RTP: A Transport Protocol for Real-Time Applications, RFC 3550," Network Working Group, 2003, pp. 1-89.	
	8	Shannon, Victoria. The New York Times, Company supports Apple: Philips sets up a 'Rendezvous', 11 September 2002, 2 pages.	
	9	Sieborger, D. R., Multiprotocol Control of Networked Home Entertainment Devices, February 2004, 131 pages.	
	10	Simple Network Time Protocol (SNTPI), RFC 1361 (August 1992) (D+M_0397537-46) (10 pages).	
	11	Simple Network Time Protocol (SNTPII), RFC 1769 (March 1995) (D+M_0397663-76) (14 pages).	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Simple Service Discovery Protocol/1.0 Operating without an Arbiter (Oct. 28, 1999) (24 pages).	
	13	SMC EZ-Stream Universal Wireless Multimedia Receiver - NextUp, 5 December 2003, 4 pages.	
	14	SMC Network. SMCWMR-AG – EZ-Stream Universal Wireless Multimedia Receiver, 3 December 2003, 2 pages.	
	15	SMC NETWORKS CONSUMER SITE. About SMC: Press Release Details, 21 February 2004, 2 pages.	
	16	SMC NETWORKS CONSUMER SITE. Products: Home Entertainment Networking, 10 December 2003, 1 page.	
	17	SMC NETWORKS CONSUMER SITE. Products: Home Entertainment Networking, 7 February 2004, 1 page.	
	18	SMC NETWORKS CONSUMER SITE. Support: Support Center Downloads, 7 February 2004, 1 page.	
	19	SMC Networks Ez-Stream Universal 2.4GHz/5GHz Wireless Multimedia Receiver. SMCWMR-AG Users Manual, 60 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	20	SMC Networks. SMCWAA-B EZ-Stream 2.4GHz Wireless Audio Adapter, 2004, 51pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	21	SMC Networks. SMCWAA-B EZ-Stream 2.4GHz Wireless Audio Adapter. User Guide, 2004, 51 pages.	
	22	SMC Networks. SMCWMR-AG EZ-Stream Universal Wireless Multimedia Receiver. User Guide, 2003, 43 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	SMC Wireless Music Network Setup, 12 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	24	SMC-GT1255FTX-SC EZ Card. SMC Networks: What's New, 5 February 2004, 7 pages.	
	25	snarfed/p4sync. GitHub: A library and plugins for a few music players that (attempts to) synchronize playback across multiple computers, 2 pages [online]. [retrieved on 2020-03-26]. Retrieved online URL: https://github.com/snarfed/p4sync.	
	26	Software & drivers. Micro Audio System MCW770/37. Philips. Copyright 2004-2020, 3 pages [online]. [retrieved on 2020-02-24]. Retrieved from the Internet URL: https://www.usa.philips.com/c-p/MCW770_37/-/support.	
	27	Sonos, Inc. v D&M Holdings, D&M Supp Opposition Brief including Exhibits, 17 March 2017, 23 pages.	
	28	Sonos, Inc. v. D&M Holdings, Expert Report of Jay P. Kesan including Appendices A-P, Feb. 20, 2017, 776 pages.	
	29	Sonos, Inc. v. D&M Holdings Inc. et al., Complaint for Patent Infringement, filed October 21, 2014, 20 pages.	
	30	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions, filed September 14, 2016, 100 pages.	
	31	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions, filed April 15, 2016, 97 pages.	
	32	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Preliminary Identification of Indefinite Terms, provided July 29, 2016, 8 pages.	
	33	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' 35 U.S.C. § 282 Notice filed November 2, 2017, 31 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' Amended Answer, Defenses, and Counterclaims for Patent Infringement, filed November 30, 2015, 47 pages.	
	35	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' Answer to Plaintiff's Second Amended Complaint, filed April 30, 2015, 19 pages.	
	36	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' First Amended Answer to Plaintiffs' Third Amended Complaint, filed September 7, 2016, 23 pages.	
	37	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' Reply in Support of Partial Motion for Judgment on the Pleadings, filed June 10, 2016, 15 pages.	
	38	Sonos, Inc. v. D&M Holdings Inc. et al., Exhibit A: Defendants' First Amended Answer to Plaintiffs' Third Amended Complaint, provided August 1, 2016, 26 pages.	
	39	Sonos, Inc. v. D&M Holdings Inc. et al., Exhibit A: Defendants' Second Amended Answer to Plaintiffs' Third Amended Complaint, filed September 9, 2016, 43 pages.	
	40	Sonos, Inc. v. D&M Holdings Inc. et al., Exhibit A: Defendants' Second Amended Answer to Plaintiffs' Third Amended Complaint, provided September 9, 2016, 88 pages.	
	41	Sonos, Inc. v. D&M Holdings Inc. et al., First Amended Complaint for Patent Infringement, filed December 17, 2014, 26 pages.	
	42	Sonos, Inc. v. D&M Holdings Inc. et al., Joint Claim Construction Chart, Volume 1 of 3 with Exhibits A-O, filed August 17, 2016, 30 pages.	
	43	Sonos, Inc. v. D&M Holdings Inc. et al., Opening Brief in Support of Defendants' Partial Motion for Judgment on the Pleadings for Lack of Patent-Eligible Subject Matter, filed May 6, 2016, 27 pages.	
	44	Sonos, Inc. v. D&M Holdings Inc. et al., Plaintiff Sonos, Inc.'s Opening Claim Construction Brief, filed September 9, 2016, 26 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Sonos, Inc. v. D&M Holdings Inc. et al., Plaintiff Sonos, Inc.'s Response in Opposition to Defendants' Partial Motion for Judgment on the Pleadings, filed May 27, 2016, 24 pages.	
	46	Sonos, Inc. v. D&M Holdings Inc. et al., Reply Brief in Support of Defendants' Motion for Leave to Amend their Answer to Add the Defense of Inequitable Conduct, provided November 10, 2016, 16 pages.	
	47	Sonos, Inc. v. D&M Holdings Inc. et al., Reply Brief in Support of Defendants' Motion for Leave to Amend their Answer to Add the Defense of Inequitable Conduct, provided September 9, 2016, 16 pages.	
	48	Sonos, Inc. v. D&M Holdings Inc. et al., Second Amended Complaint for Patent Infringement, filed February 27, 2015, 49 pages.	
	49	Sonos, Inc. v. D&M Holdings Inc. et al., Sonos's Motion to Strike Defendants' New Amended Answer Submitted with their Reply Brief, provided September 15, 2016, 10 pages.	
	50	Sonos, Inc. v. D&M Holdings Inc. et al., Sonos's Opposition to Defendants' Motion for Leave to Amend their Answer to Add the Defense of Inequitable Conduct, provided October 31, 2016, 26 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	HERRE et al., "The Reference Model Architecture for MPEG Spatial Audio Coding," Audio Engineering Society Convention Paper (Presented at the 118th Convention), May 28-31, 2005, 13 pages.	
	2	High Fidelity. New Wave in Speaker Design. October 1980, 130 pages.	
	3	Home Networking with Universal Plug and Play, IEEE Communications Magazine, Vol. 39 No. 12 (December 2001) (D +M_0402025-40) (16 pages).	
	4	"Home Theater Control Systems," Cinema Source, 2002, 19 pages.	
	5	Home THX Audio System Room Equalization Manual Rev. 1.5, Lucafilm. Copyright 1995, 24 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	6	HomePod - Wireless Network Digital Music Player with FM Tuner, User Manual, 2003, 16 pages.	
	7	HomePod MP-100, Wireless Network Music Player, with USB Jukebox, Internet Radio, and FM Tuner, Specification, 2003, 2 pages.	
	8	HomePod. User Manual, Wireless Network Digital Audio Player with FM Tuner, 2003, 49 pages.	
	9	HORWITZ, Jeremy, "Logic3 i-Station25," retrieved from the internet: http://www.ilounge.com/index.php/reviews/entry/ ogic3-i-station25/, last visited December 17, 2013, 5 pages.	
	10	How cd30 Network MP3 Players Work, 2 February 2004, 3 pages.	
	11	Howe et al. A Methodological Critique of Local Room Equalization Techniques, 5 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	HP Deskjet 5850 User Guide, copyright 2003, 217 pages.	
	13	HUANG C.M., et al., "A Synchronization Infrastructure for Multicast Multimedia at the Presentation Layer," IEEE Transactions on Consumer Electronics, 1997, pp. 370-380, Vol. 43, No. 3.	
	14	IBM Home Director Installation and Service Manual, Copyright1998, 124 pages.	
	15	IBM Home Director Owner's Manual, Copyright 1999, 67 pages.	
	16	IEEE Standards 802.3. Part 3: Carrier sense multiple access with collision detection CSMA/CD access method and physical layer specifications, 8 March 2002, 1562 pages.	
	17	ILIVE. User's Guide IS809B Wireless Speaker System, Copyright 2010, 12 pages.	
	18	Implicit, LLC v. Sonos, Inc. (No. 14-1330-RGA), Defendant's Original Complaint (Mar. 3, 2017) (15 pages).	
	19	Integra Audio Network Receiver NAC 2.3 Instruction Manual, 68 pages.	
	20	Integra Audio Network Server NAS 2.3 Instruction Manual, pp. 1-32.	
	21	Integra Service Manual, Audio Network Receiver Model NAC-2.3, December 2002, 44 pages.	
	22	Intel Announces WS-Discovery Spec for Joining Devices and Web Services, Intel Developer Forum Spring 2004, 17 February 2004, 4 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Intel Designing a UPnP AV Media Renderer, v. 1.0 ("Intel AV Media Renderer") (May 20, 2003) (SONDM000115117-62) (46 pages).	
	24	Intel Media Renderer Device Interface ("Intel Media Renderer") (September 6, 2002) (62 pages).	
	25	Intel SDK for UPnP Devices Programming Guide, Version 1.2.1, (November 2002) (30 pages).	
	26	Intel Sees Unified Platform and Ecosystem as Key to Enabling the Digital Home, Intel Developer Forum, 17 February 2004, 4 pages.	
	27	Intel Tools Validate First Solutions that Enable Devices to Work Together in the Digital Home, Intel Developer Forum, 17 February 2004, 2 pages.	
	28	Intel. User's Manual, An Intel Socket 478 Processor Based Mainboard. 27 March 2003, 96 pages.	
	29	INTERNATIONAL BUREAU, International Preliminary Report on Patentability mailed on 08 January 2015, issued in connection with International Application No. PCT/US2013/046372, filed on 18 June 2013, 6 pages.	
	30	INTERNATIONAL BUREAU, International Preliminary Report on Patentability, mailed on 08 January 2015, issued in connection with International Application No. PCT/US2013/046386, filed on 18 June 2013, 8 pages.	
	31	INTERNATIONAL BUREAU, International Preliminary Report on Patentability mailed on 30 January 2014, issued in connection with International Application No. PCT/US2012/045894, filed on 09 July 2012, 6 pages.	
	32	INTERNATIONAL SEARCHING AUTHORITY, International Search Report mailed on 01 August 2008, in connection with International Application No. PCT/US2004/023102, 5 pages.	
	33	INTERNATIONAL SEARCHING AUTHORITY, International Search Report mailed on 26 August 2013, issued in connection with International Application No. PCT/US2013/046372, filed on 18 June 2013, 3 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	INTERNATIONAL SEARCHING AUTHORITY, International Search Report mailed on 26 December 2012, issued in connection with International Application No. PCT/US2012/045894, filed on 09 July 2012, 3 pages.	
	35	INTERNATIONAL SEARCHING AUTHORITY, International Search Report mailed on 30 September 2013, issued in connection with International Application No. PCT/US2013/046386, filed on 18 June 2013, 3 pages.	
	36	INTERNATIONAL SEARCHING AUTHORITY, Written Opinion mailed on 26 August 2013, issued in connection with International Application No. PCT/US2013/046372, filed on 18 June 2013, 4 pages.	
	37	INTERNATIONAL SEARCHING AUTHORITY, Written Opinion mailed on 26 December 2012, issued in connection with International Application No. PCT/US2012/045894, filed on 09 July 2012, 4 pages.	
	38	INTERNATIONAL SEARCHING AUTHORITY, Written Opinion mailed on 30 September 2013, issued in connection with International Application No. PCT/US2013/046386, filed on 18 June 2013, 6 pages.	
	39	Introducing ROOMLINK Network Media Receiver - PCNA-MR10, Sony Vaio, 2003, 2 pages.	
	40	IPR Details - Apple Computer's Statement About IPR Claimed in draft-ietf-zeroconf-ipv4- linklocal, 26 April 2004, 3 pages.	
	41	ISHIBASHI et al., "A Comparison of Media Synchronization Quality Among Reactive Control Schemes," IEEE Infocom, 2001, pp. 77-84.	
	42	ISHIBASHI et al., "A Group Synchronization Mechanism for Live Media in Multicast Communications," IEEE Global Telecommunications Conference, 1997, pp. 746-752, Vol. 2.	
	43	ISHIBASHI et al., "A Group Synchronization Mechanism for Stored Media in Multicast Communications," IEEE Information Revolution and Communications, 1997, pp. 692-700, Vol. 2.	
	44	Issues with Mixed IEEE 802.b/802.11g Networks, AVAGO0058, Agere Systems, February 2004, 5 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	JAPANESE PATENT OFFICE, Decision of Rejection mailed on 08 July 2014, issued in connection with Japanese Patent Application No. 2012-178711, 3 pages.	
	46	JAPANESE PATENT OFFICE, Final Office Action mailed on 08 November 2016, issued in connection with Japanese Patent Application No. 2015-520286, 5 pages.	
	47	JAPANESE PATENT OFFICE, Notice of Rejection, mailed on 03 February 2015, issued in connection with Japanese Patent Application No. 2014-521648, 7 pages.	
	48	JAPANESE PATENT OFFICE, Notice of Rejection mailed on 15 September 2015, issued in connection with Japanese Patent Application No. 2014-220704, 7 pages.	
	49	JAPANESE PATENT OFFICE, Office Action mailed on 22 November 2016, issued in connection with Japanese Application No. 2015-520288, 6 pages.	
	50	JAPANESE PATENT OFFICE, Office Action mailed on 24 May 2016, issued in connection with Japanese Patent Application No. 2014-220704, 7 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	RE41608		2010-08-31	BLAIR; Christopher Douglas et al.	
	2	D260764	S	1981-09-15	CASTAGNA; John F. et al.	
	3	D279779	S	1985-07-23	TAYLOR; Terrance N.	
	4	D293671	S	1988-01-12	BEAUMONT; Thomas G.	
	5	D301037	S	1989-05-09	MATSUDA; Hari	
	6	D304443	S	1989-11-07	GRINYER; Clive A. et al.	
	7	D313023	S	1990-12-18	KOLENDA; David F. et al.	
	8	D313398	S	1991-01-01	GILCHRIST; Thomas L.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	9	D313600	S	1991-01-08	WEBER; Edward W.	
	10	D320598	S	1991-10-08	AUERBACH; Marc et al.	
	11	D322609	S	1991-12-24	PATTON; Douglas M.	
	12	D326450	S	1992-05-26	WATANABE; Katsuhito	
	13	D327060	S	1992-06-16	WACHOB; David E. et al.	
	14	D331388	S	1992-12-01	DAHNERT; Dean L. et al.	
	15	D333135	S	1993-02-09	WACHOB; David E. et al.	
	16	D350531	S	1994-09-13	TSUJI; Masao	
	17	D350962	S	1994-09-27	REARDON; John D. et al.	
	18	D354059	S	1995-01-03	HENDRICKS; John S.	
	19	D354751	S	1995-01-24	HERSH; Joseph B. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	20	D356093	S	1995-03-07	McCAULEY; Gilbert L. et al.	
	21	D356312	S	1995-03-14	ALTHANS; Richard K.	
	22	D357024	S	1995-04-04	TOKIYAMA; Masaru et al.	
	23	D362446	S	1995-09-19	GASIOREK; John G. et al.	
	24	D363933	S	1995-11-07	STARCK; Philippe	
	25	D364877	S	1995-12-05	TOKIYAMA; Masaru et al.	
	26	D364878	S	1995-12-05	GREEN; Dewayne E. et al.	
	27	D365102	S	1995-12-12	GIOSCIA; Richard	
	28	D366044	S	1996-01-09	HARA; Masayuki et al.	
	29	D372716	S	1996-08-13	THORNE; Edwin	
	30	D377651	S	1997-01-28	BIASOTTI; Mark et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	31	D379816	S	1997-06-10	LAITURI; David W. et al.	
	32	D380752	S	1997-07-08	HANSON; Bruce D.	
	33	D382271	S	1997-08-12	AKWIWU; Ndukwe	
	34	D384940	S	1997-10-14	KONO; Kenichiro et al.	
	35	D387352	S	1997-12-09	KANEKO; Steven T. et al.	
	36	D388792	S	1998-01-06	NYKERK; Michael	
	37	D389143	S	1998-01-13	WICKS; James E.	
	38	D392641	S	1998-03-24	FENNER; Knut T.	
	39	D393628	S	1998-04-21	LEDBETTER; Carl J. et al.	
	40	D394659	S	1998-05-26	BIASOTTI; Mark et al.	
	41	D395889	S	1998-07-07	GERBA; George et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	42	D397996	S	1998-09-08	SMITH; Michael A.	
	43	D401587	S	1998-11-24	RUDOLPH; Daniel L.	
	44	D404741	S	1999-01-26	SCHUMAKER; Nevenka et al.	
	45	D405071	S	1999-02-02	GAMBARO; Thomas L.	
	46	D406847	S	1999-03-16	GERBA; George et al.	
	47	D407071	S	1999-03-23	KEATING; Virginia Walker	
	48	D410927	S	1999-06-15	YAMAGISHI; Yoshinobu	
	49	D412337	S	1999-07-27	HAMANO; Masataka	
	50	D415496	S	1999-10-19	GERBA; George et al.	
	51	D416021	S	1999-11-02	GODETTE; Robert G. et al.	
	52	D420006	S	2000-02-01	TONINO; Eduardus Josephus Anna Maria	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	53	D429246	S	2000-08-08	HOLMA; Tapani	
	54	D430143	S	2000-08-29	RENK; Thomas Edward	
	55	D431552	S	2000-10-03	BACKS; Jochen Philipp et al.	
	56	D432525	S	2000-10-24	BEECROFT; Troy C.	
	57	D444475		2001-07-03	LEVEY; Keith P. et al.	
	58	D444475		2001-07-03	LEVEY; Keith P. et al.	
	59	D452520		2001-12-25	GOTHAM; David R. et al.	
	60	D462339		2002-09-03	ALLEN; Paul G. et al.	
	61	D462340		2002-09-03	ALLEN; Paul G. et al.	
	62	D462945		2002-09-17	SKULLEY; Gerald W.	
	63	D466108		2002-11-26	GLODAVA; Derrick A. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	64	D468297		2003-01-07	IKEDA; Tetsuya	
	65	D474763		2003-05-20	TOZAKI; RAY et al.	
	66	D475993		2003-06-17	MEYER; Robert K.	
	67	D476643		2003-07-01	YAMAGISHI; Masayuki	
	68	D477310		2003-07-15	MORANSAIS; Charles	
	69	D478051		2003-08-05	SAGAWA; So	
	70	D478069		2003-08-05	BECK; Benjamin et al.	
	71	D478896		2003-08-26	SUMMERS; KIM Renee	
	72	D479520		2003-09-09	DE; Saulles Stephen	
	73	D481056		2003-10-21	KAWASAKI; Mugio et al.	
	74	D486145		2004-02-03	KAMINSKI; Dariusz S. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	75	D491925		2004-06-22	GRIESAU; Gene W. et al.	
	76	D493148		2004-07-20	SHIBATA; Kumiko et al.	
	77	D495333		2004-08-31	BORSBOOM; Antonious M.	
	78	D496003		2004-09-14	SPIRA; Joel S.	
	79	D496005		2004-09-14	WANG; Carter	
	80	D496335		2004-09-21	SPIRA; Joel S.	
	81	D497363		2004-10-19	OLSON; Mark H. et al.	
	82	D499086		2004-11-30	POLITO; Fred	
	83	D499395		2004-12-07	HSU; Gary	
	84	D499718		2004-12-14	CHEN; Alex	
	85	D500015		2004-12-21	GUBBE; Bernd	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	86	D501477		2005-02-01	HALL; David	
	87	D504872		2005-05-10	UEHARA; Mitsuhiro et al.	
	88	D504885		2005-05-10	ZHANG; Jinsong et al.	
	89	D506463		2005-06-21	DANIELS; Wilfried Johan Paul Ferdinand	
	90	D515072		2006-02-14	LEE; Nikolas IAN	
	91	D515557		2006-02-21	OKULEY; James M.	
	92	D518475		2006-04-04	YANG; Yu-Ching et al.	
	93	D524296		2006-07-04	KITA; Toshiyuki	
	94	D527375		2006-08-29	FLORA; William T. et al.	
	95	3956591		1976-05-11	GATES Jr. WILLIAM A;	
	96	4105974		1978-08-08	ROGERS; Edwin F.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	97	4296278		1981-10-20	CULLISON; Steven B. et al.	
	98	4306114		1981-12-15	CALLAHAN; Jeffery C.	
	99	4509211		1985-04-02	ROBBINS; Michael S.	
	100	4530091		1985-07-16	CROCKETT; Gary B.	
	101	4661902		1987-04-28	HOCHSPRUNG; Ronald R. et al.	
	102	4689786		1987-08-25	SIDHU; Gursharan S. et al.	
	103	4696037		1987-09-22	FIERENS; Gustaaf E. M.	
	104	4701629		1987-10-20	CITROEN; Maxime H.	
	105	4712105		1987-12-08	KOEHLER; Hans E. P.	
	106	4731814		1988-03-15	BECKER; William R. et al.	
	107	4816989		1989-03-28	FINN; Alan M. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	108	4824059		1989-04-25	BUTLER, I; LES	
	109	4845751		1989-07-04	SCHWAB; Brian H.	
	110	4994908		1991-02-19	KUBAN; Curt M. et al.	
	111	5086385		1992-02-04	LAUNEY; Reuel O. et al.	
	112	5151922		1992-09-29	WEISS; Karl R.	
	113	5153579		1992-10-06	FISCH; Kenneth D. et al.	
	114	5182552		1993-01-26	PAYNTING; Richard J.	
	115	5185680		1993-02-09	KAKUBO; Yuji	
	116	5198603		1993-03-30	NISHIKAWA; Masashi et al.	
	117	5237327		1993-08-17	SAITOH; Mitsumasa et al.	
	118	5239458		1993-08-24	SUZUKI; Takashi	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	119	5272757		1993-12-21	SCOFIELD; William C. et al.	
	120	5299266		1994-03-29	LUMSDEN; John L.	
	121	5313524		1994-05-17	VAN HULLE; Steven T. F. et al.	
	122	5361381		1994-11-01	SHORT; William R.	
	123	5372441		1994-12-13	LOUIS; William M.	
	124	5406634		1995-04-11	ANDERSON; Charles W. [Us] et al.	
	125	5430485		1995-07-04	LANKFORD; Douglas E. et al.	
	126	5440644		1995-08-08	FARINELLI; Robert [Us] et al.	
	127	5457448		1995-10-10	TOTSUKA; Keiichi et al.	
	128	5467342		1995-11-14	LOGSTON; Gary L. et al.	
	129	5481251		1996-01-02	BUYS; Menno et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	130	5491839		1996-02-13	SCHOTZ; Larry	
	131	5515345		1996-05-07	BARREIRA; Jeane K. et al.	
	132	5533021		1996-07-02	BRANSTAD; Mark W. et al.	
	133	5553147		1996-09-03	PINEAU; Joseph E. M.	
	134	5553222		1996-09-03	MILNE; Steve H. et al.	
	135	5553314		1996-09-03	GRUBE; Gary W. et al.	
	136	5596696		1997-01-21	TINDELL; James M. et al.	
	137	5602992		1997-02-11	DANNEELS; Gunner	
	138	5623483		1997-04-22	AGRAWAL; Prathima et al.	
	139	5625350		1997-04-29	FUKATSU; Hitoshi et al.	
	140	5633871		1997-05-27	BLOKS; Rudolf H. J.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	141	5636345		1997-06-03	VALDEVIT; Ezio	
	142	5640388		1997-06-17	WOODHEAD; Douglas F. et al.	
	143	5642171		1997-06-24	BAUMGARTNER; Donn M. et al.	
	144	5652749		1997-07-29	DAVENPORT; David William et al.	
	145	5661665		1997-08-26	GLASS; Adam et al.	
	146	5661728		1997-08-26	FINOTELLO; Andrea et al.	
	147	5668884		1997-09-16	CLAIR, Jr.; ROY Barry et al.	
	148	5673323		1997-09-30	SCHOTZ; Larry et al.	
	149	5696896		1997-12-09	BADOVINATZ; Peter Richard et al.	
	150	5726989		1998-03-10	DOKIC; Miroslav V.	
	151	5732059		1998-03-24	KATSUYAMA; Akira et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	152	5740235		1998-04-14	LESTER; James William et al.	
	153	5742623		1998-04-21	NUBER; RAY et al.	
	154	5751819		1998-05-12	DORROUGH; Michael L.	
	155	5761320		1998-06-02	FARINELLI; Robert et al.	
	156	5774016		1998-06-30	KETTERER; Ernest R.	
	157	5787249		1998-07-28	BADOVINATZ; Peter Richard et al.	
	158	5790543		1998-08-04	CLOUTIER; LEO	
	159	5808662		1998-09-15	KINNEY; Daniel Reid et al.	
	160	5812201		1998-09-22	YOO; Ki Ryung	
	161	5815689		1998-09-29	SHAW; George H. J. et al.	
	162	5818948		1998-10-06	GULICK; Dale E.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	163	5832024		1998-11-03	SCHOTZ; Larry et al.	
	164	5838909		1998-11-17	ROY; H. Scott et al.	
	165	5848152		1998-12-08	SLIPY; Michael J. et al.	
	166	5852722		1998-12-22	HAMILTON; Graham	
	167	5852744		1998-12-22	AGATONE; Kevin et al.	
	168	5867691		1999-02-02	SHIRAISHI; Hajime	
	169	5875233		1999-02-23	COX; Daniel R.	
	170	5875354		1999-02-23	CHARLTON; Paul et al.	
	171	5887143		1999-03-23	SAITO; Masahiko et al.	
	172	5905768		1999-05-18	MATURI; Greg et al.	
	173	5910990		1999-06-08	JANG; Dae-Young	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	174	5917830		1999-06-29	CHEN; David et al.	
	175	5923869		1999-07-13	KASHIWAGI; Yoshiichiro et al.	
	176	5923902		1999-07-13	INAGAKI; Yoshihiro	
	177	5946343		1999-08-31	SCHOTZ; Larry et al.	
	178	5956025		1999-09-21	GOULDEN; Lorna et al.	
	179	5956088		1999-09-21	SHEN; Paul et al.	
	180	5960006		1999-09-28	MATURI; Greg et al.	
	181	5960167		1999-09-28	ROBERTS; John T. et al.	
	182	5984512		1999-11-16	JONES; Anthony Mark et al.	
	183	5987525		1999-11-16	ROBERTS; Dale Tyson et al.	
	184	5987611		1999-11-16	FREUND; Gregor	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	185	5990884		1999-11-23	DOUMA; Peter et al.	
	186	5991307		1999-11-23	KOMURO; Teruyoshi et al.	
	187	5999906		1999-12-07	MERCS; Laura et al.	
	188	6006275		1999-12-21	PICAZO et al.	
	189	6009457		1999-12-28	MOLLER; Matthew Donaldson	
	190	6018376		2000-01-25	NAKATANI; Shintarou	
	191	6026150		2000-02-15	FRANK; Edward H. et al.	
	192	6026297		2000-02-15	HAARTSEN; Jacobus Cornelis	
	193	6029196		2000-02-22	LENZ; Michael A.	
	194	6031818		2000-02-29	LO; W. Steven et al.	
	195	6032202		2000-02-29	LEA; Rodger J. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	196	6038614		2000-03-14	CHAN; RIX S. et al.	
	197	6046550		2000-04-04	FERENCE; Jonathan H. et al.	
	198	6061457		2000-05-09	STOCKHAMER; LEE	
	199	6078725		2000-06-20	TANAKA; Mitsumasa	
	200	6081266		2000-06-27	SCIAMMARELLA; Eduardo	
	201	6085236		2000-07-04	LEA; Rodger J.	
	202	6088063		2000-07-11	SHIBA; Kosuke	
	203	6101195		2000-08-08	LYONS; Paul Wallace et al.	
	204	6108485		2000-08-22	KIM; Jeong-Kyu	
	205	6108686		2000-08-22	WILLIAMS Jr. HENRY R;	
	206	6119239		2000-09-12	FUJII; Kazuo	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	207	6122668		2000-09-19	TENG; Peter Y. et al.	
	208	6122749		2000-09-19	GULICK; Dale A.	
	209	6127941		2000-10-03	VAN RYZIN; John M.	
	210	6128318		2000-10-03	SATO; Takashi	
	211	6131130		2000-10-10	VAN RYZIN; John M.	
	212	6148205		2000-11-14	COTTON; Timothy R.	
	213	6154772		2000-11-28	DUNN; Bryan W. et al.	
	214	6157957		2000-12-05	BERTHAUD; Jean-Marc	
	215	6163647		2000-12-19	TERASHIMA; Masaru et al.	
	216	6169725		2001-01-02	GIBBS; Simon J. et al.	
	217	6175872		2001-01-16	NEUMANN; Eric K. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	218	6181383		2001-01-30	FOX; Edward C. et al.	
	219	6185737		2001-02-06	NORTHCUTT; J. Duane et al.	
	220	6195435		2001-02-27	KITAMURA; John S.	
	221	6195436		2001-02-27	SCIBORA; Marco et al.	
	222	6199169		2001-03-06	VOTH; Duane J.	
	223	6208846		2001-03-27	CHEN; Young-Kai et al.	
	224	6212282		2001-04-03	MERSHON; Stuart	
	225	6246701		2001-06-12	SLATTERY; William	
	226	6253293		2001-06-26	RAO; Raghunath et al.	
	227	6255961		2001-07-03	VAN; Ryzin John M. [Us] et al.	
	228	6256554		2001-07-03	DILORENZO; Mark	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	229	6269406		2001-07-31	DUTCHER; David Paul et al.	
	230	6301012		2001-10-09	WHITE; Craig R. et al.	
	231	6308207		2001-10-23	TSENG; Weinan William et al.	
	232	6310652		2001-10-30	LI; Stephen et al.	
	233	6313879		2001-11-06	KUBO; Hiroaki et al.	
	234	6321252		2001-11-20	BHOLA; Sumeer et al.	
	235	6324586		2001-11-27	JOHNSON; Aric R.	
	236	6332147		2001-12-18	MORAN; Thomas P. et al.	
	237	6336219		2002-01-01	NATHAN; Guy	
	238	6343028		2002-01-29	KUWAOKA; Toshiharu	
	239	6349285		2002-02-19	LIU; Pu et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	240	6349339		2002-02-19	WILLIAMS; Henry R.	
	241	6349352		2002-02-19	LEA; Rodger J.	
	242	6351821		2002-02-26	VOTH; Duane J.	
	243	6353172		2002-03-05	FAY; Todor C. et al.	
	244	6356871		2002-03-12	HEMKUMAR; Nariankadu Datatreya et al.	
	245	6404811		2002-06-11	CVETKO; John F. et al.	
	246	6418150		2002-07-09	STAATS; Erik P.	
	247	6430353		2002-08-06	HONDA; Susumu et al.	
	248	6442443		2002-08-27	FUJII; Kazuo et al.	
	249	6446080		2002-09-03	VAN; Ryzin John M. et al.	
	250	6449642		2002-09-10	BOURKE-DUNPHY; Erin Marie et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	251	6449653		2002-09-10	KLEMETS; Anders Edgar et al.	
	252	6456783		2002-09-24	ANDO; Hideo et al.	
	253	6463474		2002-10-08	FUH; Tzong-Fen et al.	
	254	6466832		2002-10-15	ZUQERT; Benjamin et al.	
	255	6469633		2002-10-22	WACHTER; Martin Richard [Us] et al.	
	256	6487296		2002-11-26	ALLEN; Steven W. et al.	
	257	6493832		2002-12-10	ITAKURA; Eisaburo et al.	
	258	6522886		2003-02-18	YOUNGS; Edward A. et al.	
	259	6526325		2003-02-25	SUSSMAN; Robert et al.	
	260	6526411		2003-02-25	WARD; Sean	
	261	6535121		2003-03-18	MATHNEY; Richard K. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	262	6571103		2003-05-27	NOVAKOV; Emil P.	
	263	6587127		2003-07-01	LEEKE; Steven D. et al.	
	264	6598172		2003-07-22	VANDEUSEN; Mark P. et al.	
	265	6611537		2003-08-26	EDENS; Glenn T. et al.	
	266	6611813		2003-08-26	BRATTON; Timothy Robert	
	267	6631410		2003-10-07	KOWALSKI; John Michael [Us] et al.	
	268	6636269		2003-10-21	BALDWIN; James A.	
	269	6639584		2003-10-28	LI; Chuang	
	270	6653899		2003-11-25	ORGANVIDEZ; Juan H. et al.	
	271	6654720		2003-11-25	GRAHAM; Stephen Glen et al.	
	272	6654956		2003-11-25	TRINH; Vincent et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	273	6658091		2003-12-02	NAIDOO; Surendra N. et al.	
	274	6674803		2004-01-06	KESSELRING; William David	
	275	6684060		2004-01-27	CURTIN; Steven D.	
	276	6686838		2004-02-03	REZVANI; Babak et al.	
	277	6687664		2004-02-03	SUSSMAN; Robert et al.	
	278	6703940		2004-03-09	ALLEN; William A. et al.	
	279	6704421		2004-03-09	KITAMURA; John S.	
	280	6732176		2004-05-04	STEWART; Brett B. et al.	
	281	6741708		2004-05-25	NAKATSUGAWA; Yoshinori	
	282	6741961		2004-05-25	LIM; Chae-Duck	
	283	6757517		2004-06-29	CHANG; Chin-Chi [Tw] et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	284	6763274		2004-07-13	GILBERT; Erik J.	
	285	6772267		2004-08-03	THALER; Thomas et al.	
	286	6778073		2004-08-17	LUTTER; Robert Pierce et al.	
	287	6778493		2004-08-17	ISHII; Atsushi	
	288	6778869		2004-08-17	CHAMPION; Mark	
	289	6788938		2004-09-07	SUGAYA; Shigeru et al.	
	290	6795852		2004-09-21	KLEINROCK; Leonard et al.	
	291	6801507		2004-10-05	HUMPLEMAN; Richard et al.	
	292	6803964		2004-10-12	POST; Lauren LEE et al.	
	293	6809635		2004-10-26	KAARESOJA; Topi	
	294	6816510		2004-11-09	BANERJEE; Subrata	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	295	6816818		2004-11-09	WOLF; Michael Jaochim et al.	
	296	6823225		2004-11-23	SASS; Jonathan	
	297	6826283		2004-11-30	WHEELER; Thomas M. et al.	
	298	6836788		2004-12-28	KIM; Sang-Gil et al.	
	299	6839752		2005-01-04	MILLER; Robert et al.	
	300	6859460		2005-02-22	CHEN; Michael C.	

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	2320451	CA	A1	2001-03-23	BONNEVILLE MARC ETIENNE [CA]		
	2	2371747	CA	A1	2001-05-25	SAMSUNG ELECTRONICS CO LTD [KR]		
	3	101292500	CN	A	2008-10-22	SONY ERICSSON MOBILE COMM AB.		
	4	1598767	CN	A	2005-03-23	XIAO XUEWEN.		
	5	0251584	EP	A2	1988-01-07	NORTHERN TELECOM LTD.		
	6	0672985	EP	A1	1995-09-20	INTERNATIONAL BUSINESS MACHINES.		
	7	0742674	EP	B1	2014-04-09	TOSHIBA KK [JP]		
	8	0772374	EP	A2	1997-05-07	BANG & OLUFSEN AS.		
	9	0895427	EP	A3	2006-01-18	SONY ELECTRONICS INC.		
	10	1058985	EP	A2	2000-12-13	SONY ELECTRONICS INC [US]		
	11	1111527	EP	A2	2001-06-27	KABUSHIKI KAISHA TOSHIBA.		

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	1122931	EP	A2	2001-08-08	SHARP KABUSHIKI KAISHA.		
	13	1312188	EP	A1	2003-05-21	BRITISH TELECOMM [GB]		
	14	1389853	EP	A1	2004-02-18	SONY INT EUROPE GMBH.		
	15	1410686	EP		2008-03-26	DOLBY LAB LICENSING CORPORATION.		
	16	1416687	EP	B1	2006-08-02	AVID TECHNOLOGY, INC.		
	17	1517464	EP	A2	2005-03-23	PHOENIX GOLD INTERNATIONAL INC.		
	18	2043381	EP	A2	2009-04-01	BANG & OLUFSEN AS.		
	19	2161950	EP	A2	2010-03-10	BANG & OLUFSEN AS.		
	20	2591617	EP	B1	2014-06-18	BANG & OLUFSEN AS.		
	21	2713281	EP		2004-04-02	SONOS, INC.		
	22	2284327	GB	A	1995-05-31	INTEL CORPORATION.		

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	2338374	GB		1999-12-15	MOTOROLA LTD.		
	24	2379533	GB	A	2003-03-12	REQUEST MULTIMEDIA [US]		
	25	2486183	GB		2012-06-13	CAMBRIDGE SILICON RADIO LIMITED.		
	26	07-210129	JP		1995-08-11	INTERNAT'L BUSINESS MACH CORP (IBM)		
	27	2000149391	JP	A	2000-05-30	VICTOR COMPANY OF JAPAN.		
	28	2001034951	JP		2001-02-09	SANYO ELECTRIC CO.		
	29	2002111817	JP		2002-04-12	NEC CORP.		
	30	2002123267	JP	A	2002-04-26	SONY CORP.		
	31	2002358241	JP	A	2002-12-13	VICTOR COMPANY OF JAPAN.		
	32	2003037585	JP		2003-02-07	SONY CORP.		
	33	2003101958	JP		2003-04-04	TOSHIBA CORP.		

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	2003169089	JP	A	2003-06-13	ANCL INC., et al.		
	35	2003506765	JP	A	2003-02-18	CHUNG; Randall M.		
	36	2005108427	JP		2005-04-21	RICOH KK.		
	37	2005136457	JP		2005-05-26	SANYO ELECTRIC CO. LTD.		
	38	2007241652	JP	A	2007-09-20	CORE COLORS INC.		
	39	2009075540	JP	A	2009-04-09	TOUCHTUNES MUSIC CORP.		
	40	2009135750	JP		2009-06-18	KYOCERA CORP.		
	41	2009506603	JP	A	2009-02-12	SONY ERICSSON MOBILE COMMUNICATIONS AB.		
	42	2009535708	JP		2009-10-01	MICROSOFT CORPORATION.		
	43	2009538006	JP	A	2009-10-29	SONY ERICSSON MOBILE COMMUNICATIONS AB.		
	44	2011130496	JP		2011-06-30	TOSHIBA CORP.		

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	63269633	JP		1988-11-07	UNKNOWN.		
	46	20030011128	KR	A	2003-02-06	CHO KAP HOON [KR]		☒
	47	439027	TW		2001-06-07	MITAC TECHNOLOGY CORP.		☐
	48	0019693	WO	A1	2000-04-06	WIRELESS SYSTEM TECHNOLOGIES I [CA], et al.		☐
	49	0110125	WO	A1	2001-02-08	CHUNG, RANDALL M.		☐
	50	02073851	WO		2002-09-19	PULSE-LINK, INC.		☐

If you wish to add additional Foreign Patent Document citation information please click the Add button [Add]

NON-PATENT LITERATURE DOCUMENTS [Remove]

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]
	1	'884+ Automatic Matrix Mixer Control System," Ivie Technologies, Inc., 2000, pp. 1-4.	
	2	Acoustic Research. 900MHz Wireless Stereo Speakers Model AW871 Installation and Operation Manual, 2003, 15 pages.	
	3	Acoustic Research. 900MHz Wireless Stereo Speakers Model AW871 Installation and Operation Manual, 2007, 12 pages. .	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	4	Acoustic Research. Wireless Stereo Speakers with Auto-Tuning. Model AW877 Installation and Operation Manual, 2007, 13 pages.	
	5	ADT CORP., 5 Photographs of the Test Configuration, FCC ID: IXMWAA-B-AGB-01, Report No.: RF921020H02, 5 November 2003, 2 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	6	ADT CORP., Construction Photos of EUT, 921020H02, 13 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	7	ADT CORP., Construction Photos of EUT, 921020H02, 2 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	8	ADT CORP., FCC Test Report, FCC ID: IXMWAA-B-AGB-01, Report No.: RF921020H02, 5 November 2003, 44 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	9	ADT CORP., RF Exposure Report, Report No.: RF921020H02, 4 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	10	Advanced Driver Tab User Interface WaveLan GUI Guide, AVAGO0009, Agere Systems, February 2004, 4 pages.	
	11	Advisory Action mailed 02 February 2016, issued in connection with U.S. Patent Application No. 13/848921, filed on 22 March 2013, 8 pages.	
	12	Advisory Action mailed 18 September 2008, issued in connection with U.S. Patent Application No. 10/816217, filed on 01 April 2004, 8 pages.	
	13	Advisory Action mailed on 01 February 2016, issued in connection with U.S. Patent Application No. 13/864247, filed on 17 April 2013, 6 pages.	
	14	Advisory Action mailed on 01 June 2015, issued in connection with U.S. Patent Application No. 14/516867, filed on 17 October 2014, 11 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	15	Advisory Action mailed on 01 November 2013, issued in connection with U.S. Patent Application No. 13/618829, filed on 14 September 2012, 3 pages.	
	16	Advisory Action mailed on 02 March 2015, issued in connection with U.S. Patent Application No. 13/848932, filed on 22 March 2013, 3 pages.	
	17	Advisory Action mailed on 05 January 2012, issued in connection with U.S. Patent Application No. 12/035112, filed on 21 February 2008, 3 pages.	
	18	Advisory Action mailed on 05 September 2014, issued in connection with U.S. Patent Application No. 13/907666, filed on 31 May 2013, 3 pages.	
	19	Advisory Action mailed on 08 January 2015, issued in connection with U.S. Patent Application No. 13/705176, filed on 05 December 2012, 4 pages.	
	20	Advisory Action mailed on 08 March 2017, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 22 pages.	
	21	Advisory Action mailed on 09 June 2016, issued in connection with U.S. Patent Application No. 13/871795, filed on 25 April 2013, 3 pages.	
	22	Advisory Action mailed on 10 August 2017, issued in connection with U.S. Patent Application No. 13/864250, filed on 17 April 2013, 3 pages.	
	23	Advisory Action mailed on 10 February 2016, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 3 pages.	
	24	Advisory Action mailed on 12 November 2014, issued in connection with U.S. Patent Application No. 13/907666, filed on 31 May 2013, 6 pages.	
	25	Advisory Action mailed on 15 April 2015, issued in connection with U.S. Patent Application No. 14/184526, filed on 19 February 2014, 9 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	26	Advisory Action mailed on 15 April 2015, issued in connection with U.S. Patent Application No. 14/184935, filed on 20 February 2014, 9 pages.	
	27	Advisory Action mailed on 16 August 2017, issued in connection with U.S. Patent Application No. 13/864248, filed on 17 April 2013, 5 pages.	
	28	Advisory Action mailed on 20 June 2017, issued in connection with U.S. Patent Application No. 15/243355, filed on 22 August 2016, 5 pages.	
	29	Advisory Action mailed on 22 August 2017, issued in connection with U.S. Patent Application No. 13/864249, filed on 17 April 2013, 3 pages.	
	30	Advisory Action mailed on 25 March 2015, issued in connection with U.S. Patent Application No. 13/533105, filed on 26 June 2012, 5 pages.	
	31	Advisory Action mailed on 26 February 2015, issued in connection with U.S. Patent Application No. 14/184528, filed on 19 February 2014, 3 pages.	
	32	Advisory Action mailed on 26 November 2014, issued in connection with U.S. Patent Application No. 14/186850, filed on 21 February 2014, 9 pages.	
	33	Advisory Action mailed on 27 April 2016, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 7 pages.	
	34	Advisory Action mailed on 28 December 2016, issued in connection with U.S. Patent Application No. 13/705176, filed on 05 December 2012, 4 pages.	
	35	Advisory Action mailed on 28 July 2015, issued in connection with U.S. Patent Application No. 14/184522, filed on 19 February 2014, 7 pages.	
	36	Advisory Action mailed on 28 September 2009, issued in connection with U.S. Patent Application No. 10/816217, filed on 01 April 2004, 4 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	37	Agere Systems' Voice-over-Wireless LAN (VoWLAN) Station Quality of Service, AVAGO0015, Agere Systems, January 2005, 5 pages.	
	38	AKYILDIZ et al., "Multimedia Group Synchronization Protocols for Integrated Services Networks," IEEE Journal on Selected Areas in Communications, 1996 pp. 162-173, Vol. 14, No. 1.	
	39	Amazon: Philips MCW770 WiFi Wireless PC Link AM/FM 5-CD Microsystem (Discontinued by Manufacturer): Home Audio & Theater, 5 pages [online]. [retrieved on 2020-02-24]. Retrieved from the Internet URL: https://www.amazon.com/gp/product/B000278KLC. .	
	40	Amazon.com: CD30 c300 Wireless Network MP3 Player (Analog/Digital): Home Audio & Theater, 5 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	41	Amazon.com, Cisco-Linksys Wireless-B Music System WMLS11B, 5 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	42	Amazon.com, Cisco-Linksys WMA11B Wireless Digital Media Adapter, 6 pages [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	43	Amazon.com. Creative Labs Sound Blaster Wireless Music: Electronics, 5 pages, [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	44	Amazon.com. Creative Labs Sound Blaster Wireless Music: Electronics, 7 pages, [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	45	American Telecommunications Certification Body In. RE: FCC ID: A6RMCX1000A 7 May 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	46	Anonymous, "Transmission Control Protocol," RFC: 793, USC/Information Sciences Institute, September 1981, 91 pages.	
	47	Apple. Airport Express, Setup Guide. 20 May 2004, 51 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	48	Apple. Airport Express, Setup Guide. 2004, 48 pages.	
	49	Apple Developer Connection. Browsing for Network Services. 12 November 2002, 5 pages.	
	50	Apple. NewsRoom, Apple "Open Sources" Rendezvous. 25 September 2002, 2 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	ContentDirectory:1 Service Template Version 1.01 For UPnP, Version 1.0 (June 25, 2002) (89 pages).	
	2	Corrected Notice of Allowability mailed on 23 December 2016, issued in connection with U.S. Patent Application No. 14/803953 filed on 20 July 2015, 18 pages.	
	3	Corrected Notice of Allowance mailed on 19 August 2015, issued in connection with U.S. Patent Application No. 13/907666, filed on 31 May 2013, 2 pages.	
	4	Creating the Future of Home Entertainment Today. NetStreams Product Catalog 2003/2004, 20 pages. .	
	5	Creative, "Connecting Bluetooth Devices with Creative D200," http://support.creative.com/kb/ShowArticle.aspx?url=http://ask.creative.com:80/SRVS/CGI-BIN/WEBCGI.EXE/,/?St=106,E=0000000000396859016,K=9377,Sxi=8,VARSET=ws:http://us.creative.com,case=63350, available on 11/28/2011, 2 pages.	
	6	Creative Sound Blaster Wireless Music, User's Guide, Version 1.0, August 2003, 61 pages.	
	7	Crest Audio Pro Series 8001 Power Amplifier. V. 2.2 March 25, 1997, 2 pages.	
	8	Creston's Adagio Entertainment System with New AMS Processor Wins Awards at CEDIA, 29 September 2006, 3 pages.	
	9	Crestron Adagio AMS Media System Operations Guide, 2008, 114 pages.	
	10	Crestron. Adagio. Home Entertainment is Just the Beginning...2007, 10 pages.	
	11	Crestron. AVS Forum. 1 December 2007, 9 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Crestron, Industry Awards, Crestron's Spirit of Innovation has Resulted in the Most Award-Winning Products in the Industry, 2006, 6 pages.	
	13	Crestron, Industry Awards, Crestron's Spirit of Innovation has Resulted in the Most Award-Winning Products in the Industry, 2007, 5 pages.	
	14	Crome, Caleb. Logitech Squeezebox Boom Audio Design, 2008, 11 pages.	
	15	Crouch, Cameron. CES showcases Internet everywhere. CNN.com 7 January 2000, 2 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	16	Crown PIP Manual available for sale at least 2004, 68 pages.	
	17	DANNENBERG et al., "A. System Supporting Flexible Distributed Real-Time Music Processing," Proceedings of the 2001 International Computer Music Conference, 2001, 4 pages.	
	18	DANNENBERG, Roger B., "Remote Access to Interactive Media," Proceedings of the SPIE 1785, 1993, pp. 230-237.	
	19	Davies, Chris. Sony Ericsson MS500 Bluetooth Splashproof Speaker. http://www.slashgear.com/sony-ericsson-ms500-bluetooth-splashproof. March 17, 2009, 2 pages. .	
	20	DAY, Rebecca, "Going Elan!" Primedia Inc., 2003, 4 pages.	
	21	Deep-Sleep Implementation in WL60011 for IEEE 802.11b Applications, AVAGO0020, Agere Systems, July 2004, 22 pages.	
	22	Dell, Inc. "Dell Digital Audio Receiver: Reference Guide," June 2000, 70 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Dell, Inc. "Start Here," June 2000, 2 pages.	
	24	"Denon 2003-2004 Product Catalog," Denon, 2003-2004, 44 pages.	
	25	Denon AV Surround Receiver AVR-1604/684 User's Manual, 2004, 128 pages.	
	26	Denon AV Surround Receiver AVR-5800 Operating Instructions, Copyright 2000, 67 pages.	
	27	Denon AVR-3805 A/V Surround Receiver. Datasheet, last modified 1 March 2004, 2 pages. .	
	28	Designing a UPnP AV MediaServer, Nelson Kidd (2003) (SONDM000115062-116) (55 pages).	
	29	DHIR, Amit, "Wireless Home Networks - DECT, Bluetooth, Home RF, and Wirelss LANs," XILINX, wp135 (v1.0), March 21, 2001, 18 pages.	
	30	Dierks et al. RFC 2246 The TLS Protocol, January 1999, 80 pages.	
	31	Digigram. EtherSound ES8in/8out Ethernet Audio Bridges. Easy and Cost-Effective Audio Distribution, November 2002, 4 pages.	
	32	D-Link. User's Manual, Wireless HD Media Player, Version 1.1, DSM-520, 28 September 2005, 127 pages.	
	33	DLNA. Overview and Vision, White Paper, June 2004, 16 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	DLNA. Use Case Scenarios, White Paper, June 2004, 15 pages. .	
	35	"DP-0206 Digital Signal Processor," TOA Electronics, Inc., 2001, pp. 1-12.	
	36	DP-0206 TOA Digital Signal Processor. TOA Corporation, 2001, 4 pages. .	
	37	Duo Soundolier. Sound & Light : Wireless Speaker Torchiere. Soundolier Integrated Wireless Technologies, 2006, 3 pages.	
	38	ECMA. Near Field Communication – White Paper, Ecma/TC32-TG19/2004/1, 9 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	39	ECMA. Near Field Communication, ECMA/TC32-TG19, October 2002, 15 pages.	
	40	ECMA. Standard ECMA-340, Near Field Communication – Interface and Protocol NFCIP-1, December 2002, 66 pages.	
	41	Ecma. What is Ecma? 2 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	42	Epson. EpsonNet 802.11B, Convenient Printing Using Wireless Technology, 2002, 2 pages.	
	43	Epson. EpsonNet 802.11b, User's Guide, 2002, 68 pages.	
	44	Epson Product Support Bulletin. PSB # PSB.2003.05.005, EpsonNet 802.11b Wireless Print Server, 30 April 2003, 30 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Epson Product Support Bulletin. PSB # PSB.2003.05.007, EpsonNet 802.11b Wireless Print Server, 23 April 2003, 10 pages.	
	46	Epson Stylus C80WN. Quick Start, 2002, 2 pages.	
	47	Epson Stylus C80WN. Setup and Installation, November 2001, 67 pages.	
	48	EUROPEAN PATENT OFFICE, European Extended Search Report mailed 07 March 2016, issued in connection with EP Application No. 13810340.3, 9 pages.	
	49	EUROPEAN PATENT OFFICE, European Extended Search Report mailed on 28 February 2014, issued in connection with EP Application No. 13184747.7, 8 pages.	
	50	EUROPEAN PATENT OFFICE, European Extended Search Report mailed on 31 March 2015, issued in connection with EP Application No. 14181454.1, 9 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	None				

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	None				

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1	None						

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Evans, D. In-home Wireless Networking: An Entertainment Perspective. Electronics and Communication Engineering Journal, October 2001, 7 pages [produced by Google in Inv. No. 337-TA-1191 on December 9, 2020].	
	2	Hara, Yoshiko. Digital Home Working Group to seek platform compatibility. 27 June 2003, 2 pages [produced by Google in Inv. No. 337-TA-1191 on December 9, 2020].	
	3	Ho et al. TUAM 2.4. UWB Technology for Wireless Video Networking. Fantasma Networks, 2001, 2 pages [produced by Google in Inv. No. 337-TA-1191 on December 9, 2020].	
	4	Kangas, Mauri. Authentication and Authorization in Universal Plug and Play Home Networks. Helsinki University of Technology, 12 pages [produced by Google in Inv. No. 337-TA-1191 on December 9, 2020].	
	5	Sonos, Inc. v. Google LLC, Expert Report of Matthew B. Shoemake, PH.D., Regarding the Invalidity of U.S. Patent No. 10,439,896 [Redacted 9 December 2020] dated 23 October 2020, 659 pages.	
	6	Universal Serial Bus Specification Revision 1.1 September 23, 1998, 327 pages. [produced by Google in Inv. No. 337-TA-1191 on December 9, 2020].	
	7	Win98/ME:No Installation Code, 6pages. [produced by Google in Inv. No. 337-TA-1191 on December 9, 2020].	
	8	Windows Executable 32bit for Windows 95 and Windows NT, 4 pages. [produced by Google in Inv. No. 337-TA-1191 on December 9, 2020].	
	9	Zero Configuration Networking - Zeroconf. Chairs, 3 pages [produced by Google in Inv. No. 337-TA-1191 on December 9, 2020].	
	10	Zero Configuration Networking - Zeroconf. www.zeroconf.org, 4 pages [produced by Google in Inv. No. 337-TA-1191 on December 9, 2020].	
	11	Sonos, Inc. v. Google LLC, Rebuttal Expert Report of Jon B. Weissman, Regarding Validity of U.S. Patent No. 10,439,896 [Redacted 29 January 2021] dated 13 November 2020, 417 pages	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Sonos, Inc. v. Google LLC, Direct Witness Statement of Matthew Shoemake [Redacted 29 January 2021] dated 18 December 2020, 646 pages	
	13	Sonos, Inc. v. Google LLC, Rebuttal Witness Statement of Jon B. Weissman Regarding Validity of U.S. Patent No. 8,588,949 and 10,439,896 [Redacted 29 January 2021] dated 8 January 2021, 736 pages	
	14	Sonos, Inc. v. Google LLC, Respondent Google's Pre-Trial Brief [Redacted 29 January 2021] dated 22 January 2021, 516 pages	
	15	Sonos, Inc. v. Google LLC, Complainant Sonos, Inc.'s Pre-Hearing Brief [Redacted 29 January 2021] dated 22 January 2021, 513 pages	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2021-02-03
Name/Print	Brandon J. Kennedy	Registration Number	67894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20070047712		2007-03-01	GROSS; Kevin P. et al.	
	2	20070048713		2007-03-01	PLASTINA; Daniel et al.	
	3	20070054680		2007-03-08	MO; Shaomin S. et al.	
	4	20070087686		2007-04-19	HOLM; Jukka et al.	
	5	20070142022		2007-06-21	MADONNA; Robert P. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	6	20070142944		2007-06-21	GOLDBERG; David et al.	
	7	20070143493		2007-06-21	MULLIG; Richard M. et al.	
	8	20070169115		2007-07-19	KO; Steve et al.	
	9	20070180137		2007-08-02	RAJAPAKSE; Ravi	
	10	20070192156		2007-08-16	GAUGER; Derek K.	
	11	20070220150		2007-09-20	GARG; Gopal K.	
	12	20070249295		2007-10-25	UKITA; Yoshitaka et al.	
	13	20070265031		2007-11-15	KOIZUMI; Michiaki et al.	
	14	20070271388		2007-11-22	BOWRA; Todd et al.	
	15	20070299778		2007-12-27	HAVESON; Ryan A. et al.	
	16	20080002836		2008-01-03	MOELLER; Niklas et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	17	20080007649		2008-01-10	BENNETT; James D.	
	18	20080007650		2008-01-10	BENNETT; James D.	
	19	20080007651		2008-01-10	BENNETT; James D.	
	20	20080018785		2008-01-24	BENNETT; James D.	
	21	20080022320		2008-01-24	VER STEEG; William C.	
	22	20080025535		2008-01-31	RAJAPAKSE; Ravi	
	23	20080072816		2008-03-27	RIESS; Walter H. et al.	
	24	20080075295		2008-03-27	MAYMAN; Avrum G. et al.	
	25	20080077619		2008-03-27	GILLEY; Glenn Gregory et al.	
	26	20080077620		2008-03-27	GILLEY; Glenn Gregory et al.	
	27	20080086318		2008-04-10	GILLEY; Glenn Gregory et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	28	20080091771		2008-04-17	ALLEN; Jeffrey L. et al.	
	29	20080109852		2008-05-08	KRETZ; Martin H. et al.	
	30	20080120429		2008-05-22	MILLINGTON; Nicholas A.J et al.	
	31	20080126943		2008-05-29	PARASNIS; Shashank Mohan et al.	
	32	20080144861		2008-06-19	MELANSON; John L. et al.	
	33	20080144864		2008-06-19	HUON; Graeme John [Au] et al.	
	34	20080146289		2008-06-19	KORNELUK; Jose E. et al.	
	35	20080189272		2008-08-07	POWERS; Michael et al.	
	36	20080205070		2008-08-28	OSADA; Yasuo	
	37	20080212786		2008-09-04	PARK; Hae-Kwang	
	38	20080215169		2008-09-04	DEBETTENCOURT; Lisa et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	39	20080263010		2008-10-23	ROYCHOUDHURI; Subrata et al.	
	40	20080273714		2008-11-06	HARTUNG; Klaus	
	41	20080303947		2008-12-11	OHNISHI; Sunao et al.	
	42	20090011798		2009-01-08	YAMADA; Hiroshi	
	43	20090017868		2009-01-15	UEDA; Joji et al.	
	44	20090031336		2009-01-29	CHAVEZ; Timothy R. et al.	
	45	20090060219		2009-03-05	INOHARA; Yuichi	
	46	20090070434		2009-03-12	HIMMELSTEIN; Richard B.	
	47	20090087000		2009-04-02	KO; Sang-Chul	
	48	20090089327		2009-04-02	KALABOUKIS; Chris et al.	
	49	20090100189		2009-04-16	BAHREN; Frank et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	50	20090124289		2009-05-14	NISHIDA; Osamu	
	51	20090157905		2009-06-18	DAVIS; Bradford C.	
	52	20090164655		2009-06-25	PETTERSSON; Mattias et al.	
	53	20090169030		2009-07-02	INOHARA; Yuichi	
	54	20090193345		2009-07-30	WENSLEY; Paul et al.	
	55	20090222115		2009-09-03	MALCOLM; David et al.	
	56	20090228919		2009-09-10	ZOTT; Joseph A. et al.	
	57	20090251604		2009-10-08	IYER; Suraj C.	
	58	20100004983		2010-01-07	DICKERSON; Stephanie et al.	
	59	20100031366		2010-02-04	KNIGHT; Mark Stephen et al.	
	60	20100049835		2010-02-25	KO; Steve et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	61	20100087089		2010-04-08	STRUTHERS; Scott et al.	
	62	20100228740		2010-09-09	CANNISTRARO; Alan et al.	
	63	20100284389		2010-11-11	RAMSAY; Max et al.	
	64	20100299639		2010-11-25	RAMSAY; Max Gordon et al.	
	65	20110001632		2011-01-06	HOHORST; Andrew Gordon	
	66	20110002487		2011-01-06	PANTHER; Heiko et al.	
	67	20110066943		2011-03-17	BRILLON; Francois [Ca] et al.	
	68	20110222701		2011-09-15	DONALDSON; Thomas A. et al.	
	69	20110228944		2011-09-22	CROGHAN; Frank et al.	
	70	20110316768		2011-12-29	MCRAE; Matthew Blake	
	71	20120029671		2012-02-02	MILLINGTON; Nicholas A. J. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	72	20120030366		2012-02-02	COLLART; Todd et al.	
	73	20120051567		2012-03-01	CASTOR-PERRY; Kendall	
	74	20120060046		2012-03-08	MILLINGTON; Nicholas A. J.	
	75	20120129446		2012-05-24	KO; Steve et al.	
	76	20120148075		2012-06-14	GOH; Aik Hee Daniel et al.	
	77	20120185771		2012-07-19	ROTHKOPF; Fletcher R. et al.	
	78	20120192071		2012-07-26	MILLINGTON; Nicholas A. J.	
	79	20120207290		2012-08-16	MOYERS; Josh et al.	
	80	20120237054		2012-09-20	EO; Kil-Su et al.	
	81	20120281058		2012-11-08	LANEY; Alan et al.	
	82	20120290621		2012-11-15	HEITZ, III; Geremy A. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	83	20130013757		2013-01-10	MILLINGTON; Nicholas A. J. [Us] et al.	
	84	20130018960		2013-01-17	KNYSZ; Matthew S. et al.	
	85	20130031475		2013-01-31	MAOR; Yehonatan Rafael et al.	
	86	20130038726		2013-02-14	KIM; Jin-Hyong	
	87	20130041954		2013-02-14	KIM; Laeyoung et al.	
	88	20130047084		2013-02-21	SANDERS; Christopher John et al.	
	89	20130052940		2013-02-28	BRILLHART; David C. et al.	
	90	20130070093		2013-03-21	RIVERA; Ed et al.	
	91	20130080599		2013-03-28	KO; Steve et al.	
	92	20130121492		2013-05-16	VACON; Gary et al.	
	93	20130124664		2013-05-16	FONSECA, Jr.; Benedito J. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	94	20130129122		2013-05-23	JOHNSON; Martin E. et al.	
	95	20130132837		2013-05-23	MEAD; Jonathan Selwyn et al.	
	96	20130159126		2013-06-20	ELKADY; AMR	
	97	20130167029		2013-06-27	FRIESEN; Sharon E. [Us] et al.	
	98	20130174100		2013-07-04	SEYMOUR; Eric T. et al.	
	99	20130174223		2013-07-04	DYKEMAN; KIM R. et al.	
	100	20130179163		2013-07-11	HERBIG; Tobias et al.	
	101	20130191454		2013-07-25	OLIVER; Michael R. et al.	
	102	20130197682		2013-08-01	MILLINGTON; Nicholas A. J.	
	103	20130226323		2013-08-29	MILLINGTON; Nicholas A. J.	
	104	20130230175		2013-09-05	BECH; Soeren et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	105	20130232416		2013-09-05	MILLINGTON; Nicholas A. J.	
	106	20130253934		2013-09-26	PAREKH; Jateen P. et al.	
	107	20130279706		2013-10-24	MARTI; Stefan J. [Us] et al.	
	108	20130287186		2013-10-31	QUADY; Curtis E.	
	109	20130290504		2013-10-31	QUADY; Curtis E.	
	110	20140006483		2014-01-02	GARMARK; Sten [Se] et al.	
	111	20140037097		2014-02-06	LABOSCO; Mark	
	112	20140064501		2014-03-06	OLSEN; Martin et al.	
	113	20140075308		2014-03-13	SANDERS; Christopher John et al.	
	114	20140075311		2014-03-13	BOETTCHER; Jesse William et al.	
	115	20140079242		2014-03-20	NGUYEN; NAM et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	116	20140108929		2014-04-17	GARMARK; Sten et al.	
	117	20140123005		2014-05-01	FORSTALL; Scott J. [Us] et al.	
	118	20140140530		2014-05-22	GOMES-CASSERES; Glenn [Us] et al.	
	119	20140161265		2014-06-12	CHAIKIN; Peter et al.	
	120	20140181569		2014-06-26	MILLINGTON; Nicholas A.J et al.	
	121	20140233755		2014-08-21	KIM; Kwang-Soo et al.	
	122	20140242913		2014-08-28	PANG; Hawk YIN	
	123	20140256260		2014-09-11	UEDA; Joji et al.	
	124	20140267148		2014-09-18	LUNA; Michael Edward Smith [Us] et al.	
	125	20140270202		2014-09-18	IVANOV; Plamen A. et al.	
	126	20140273859		2014-09-18	LUNA; Michael Edward Smith [Us] et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	127	20140279889		2014-09-18	LUNA; Michael Edward Smith [Us] et al.	
	128	20140285313		2014-09-25	LUNA; Michael Edward Smith et al.	
	129	20140286496		2014-09-25	LUNA; Michael Edward Smith et al.	
	130	20140298174		2014-10-02	IKONOMOV; Artashes Valeryevich	
	131	20140323036		2014-10-30	DALEY; Michael J. et al.	
	132	20140344689		2014-11-20	SCOTT; Mark David [Us] et al.	
	133	20140378056		2014-12-25	LIU; Peter T. [Us] et al.	
	134	20150019670		2015-01-15	REDMANN; William Gibbens	
	135	20150026613		2015-01-22	KWON; Yunmi [Kr] et al.	
	136	20150032844		2015-01-29	TARR; Morton et al.	
	137	20150043736		2015-02-12	OLSEN; Martin et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	138	20150049248		2015-02-19	WANG; MIN et al.	
	139	20150074527		2015-03-12	SEVIGNY; Jonathan Christopher [Us] et al.	
	140	20150074528		2015-03-12	SAKALOWSKY; John Michael et al.	
	141	20150098576		2015-04-09	SUNDARESAN; Rameshwar et al.	
	142	20150139210		2015-05-21	MARIN; Janne et al.	
	143	20150256954		2015-09-10	CARLSSON; Gregory Peter [Us] et al.	
	144	20150304288		2015-10-22	BALASAYGUN; Mehmet et al.	
	145	20150365987		2015-12-17	WEEL; Martin	

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2]	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

EFS Web 2.1.18

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

NON-PATENT LITERATURE DOCUMENTS Remove			
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
	1	cd30 Introduces Family of MP3 Players at this year's Consumer Electronics Show. 9-12 January, 2003 Las Vegas Convention Center, 2 pages.	
	2	cd30 Introduces Family of Wireless Network MP3 Players. 9-12 January 2003 Las Vegas Convention Center, 2 pages.	
	3	cd30. Logo page, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	4	cd30 Management, 12 December 2003, 1 page.	
	5	cd30. Management Team, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	6	cd30. Multi-Player Synchronization. 15 January 2004, 4 pages.	
	7	cd30 Network MP3 Player Models, 01 February 2004, 1 page.	
	8	Cd30, Network MP3 Player, Product Manual. Copyright 2003, 65 pages.	
	9	cd30 Network MP3 Player. Product Manual for c100, c200, and c300, 2003, 65 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	10	cd30. Network MP3 Player. Quick Installation Guide, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	11	cd30. Network MP3 Player Quick Installation Guide, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	12	cd30 Network MP3 Player Reviews. 1 February 2004, 2 pages.	
	13	cd30 Network MP3 Player Specifications. 2 February 2004, 2 pages.	
	14	cd30 Network MP3 Players, 18 November 2003, 1 page.	
	15	cd30 Network MP3 Players c100, c200, and c300, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	16	cd30 Network MP3 Players: Stream music from your PC to your stereo, 18 November 2003, 1 page.	
	17	cd30 Network MP3 Players: Stream your MP3s to your stereo! 24 May 2003, 1 page.	
	18	cd30. News, Reviews 21 November 21 2003, 2 pages.	
	19	cd30. Product Manual Availability, 03 October 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	20	cd30. Product Support. 10 May 2006, 17 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	21	cd30 Product Support Forums. Forum Index, 15 April 2003, 1 page.	
	22	cd30 Product Support Forums. Forum Index, 18 June 2003, 1 page.	
	23	cd30 Product Support Forums. Forum Index, 2 February 2004, 1 page.	
	24	cd30. Product Support Forums. Multiple stereos -- multiple cd30s -- same music? 3 November 2003, 2 pages.	
	25	cd3o. Management Team, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	26	Cd3o. Network MP3 Player, Product Manual, 2003, 65 pages.	
	27	cd3o. Network MP3 Players. Keep your MP3s on your PC...Listen to them on your stereo. 24 May 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	28	cd3o. Network MP3 Players. Store your music on your PC...Listen to it on your stereo, wirelessly! 18 November 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	29	cd3o Product Support Center, 19 November 2003, 1 page.	
	30	cd3o. Product Support Center. Getting Assistance, 19 November 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	31	cd3o Wireless Music Network Setup, 35 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	32	CEN et al., "A Distributed Real-Time MPEG Video Audio Player," Department of Computer Science and Engineering, Oregon Graduate Institute of Science and Technology, 1995, 12 pages.	
	33	CES: MP3-Player mit Pfiff, 13 January 2003, 4 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	34	CHAKRABARTI et al., "A Remotely Controlled Bluetooth Enabled Environment," IEEE, 2004, pp. 77-81.	
	35	Change Notification: Agere Systems WaveLan Multimode Reference Design (D2 to D3), AVAGO0042, Agere Systems, November 2004, 2 pages.	
	36	Cheshire et al. RFC 3927 - Dynamic Configuration of IPv4 Link-Local Addresses, 2005, 34 pages.	
	37	Cheshire et al. Zero Configuration Networking: The Definitive Guide. December 2005, 288 pages.	
	38	CHINESE OFFICE ACTION, Office Action mailed on 20 December 2016, issued in connection with Chinese Application No. 201380044446.8, 16 pages.	
	39	CHINESE PATENT OFFICE, Office Action mailed on 05 July 2016, issued in connection with Chinese Patent Application No. 201380044380.2, 25 pages.	
	40	CHINESE PATENT OFFICE, Second Office Action mailed on 27 February 2017, issued in connection with Chinese Patent Application No. 201380044380.2, 22 pages.	
	41	Clipsal. Multi Room Audio Amplifier, User's Guide, V1.0, December 2005, 28 pages.	
	42	Clipsal. Multi Room Audio Matrix Switcher, User's Guide, 560884, V1.0, December 2005, 20 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	43	C-Media. CM102-A/102S USB 2CH Audio Controller, Data Sheet. Version 1.4. 21 May 2003, 20 pages.	
	44	C-Media Electronics Inc. CMI8768/8768+ Advanced Driver Software Architecture. User Manual, Revision: 1.0, May 25, 2004, 29 pages.	
	45	C-Media XeaR 3D Sound Solution. CMI8738 4/6-Channel PCI Audio Single Chip. User Manual, Rev. 2.1, May 21, 2002, 44 pages. .	
	46	CNET. Wireless gizmo for PC music hits home, 30 September 2003, 4 pages.	
	47	Compaq et al., Universal Serial Bus Specification, Revision 2.0, 27 April 2000, 650 pages.	
	48	Connected, distributed audio solution for your home by barix and Stand-alone, distributed audio solution for your home by barix. Copyright September 2003. Sourced from Sonos, Inc. v. Lenbrook Industries Limited et al. - Defendants' Answer to Plaintiff's Complaint - Exhibit A filed October 14, 2019, 3 pages.	
	49	Connected Planet. Using PC Link. Streamium PC Link by Philips. Models MC-i200/250, SL300i, SL400i, MX6000i, last modified 5 August 2004, 2 pages. .	
	50	Connection Manager: 1 Service Template Version 1.01 For UPnP, Version 1.0 (June 25, 2002) (25 pages).	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	ROTHERMEL et al., "Synchronization in Joint-Viewing Environments," University of Stuttgart Institute of Parallel and Distributed High-Performance Systems, 1992, 13 pages.	
	2	ROTHERMEL, Kurt, "State-of-the-Art and Future Research in Stream Synchronization," University of Stuttgart, 3 pages.	
	3	'RVL-6 Modular Multi-Room Controller, Installation & Operation Guide," Nile Audio Corporations, 1999, 46 pages.	
	4	Schertel, Barry. Griffin Evolve Wireless iPod Speakers, 18 February 2008, 4 pages.	
	5	SCHMANDT et al., "Impromptu: Managing Networked Audio Applications for Mobile Users," 2004, 11 pages.	
	6	SCHULZRINNE et al., "RTP: A Transport Protocol for Real-Time Applications," Network Working Group, January 1996, pp. 1-75.	
	7	SCHULZRINNE H., et al., "RTP: A Transport Protocol for Real-Time Applications, RFC 3550," Network Working Group, 2003, pp. 1-89.	
	8	Shannon, Victoria. The New York Times, Company supports Apple: Philips sets up a 'Rendezvous', 11 September 2002, 2 pages.	
	9	Sieborger, D. R., Multiprotocol Control of Networked Home Entertainment Devices, February 2004, 131 pages.	
	10	Simple Network Time Protocol (SNTPI), RFC 1361 (August 1992) (D+M_0397537-46) (10 pages).	
	11	Simple Network Time Protocol (SNTPII), RFC 1769 (March 1995) (D+M_0397663-76) (14 pages).	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Simple Service Discovery Protocol/1.0 Operating without an Arbiter (Oct. 28, 1999) (24 pages).	
	13	SMC EZ-Stream Universal Wireless Multimedia Receiver - NextUp, 5 December 2003, 4 pages.	
	14	SMC Network. SMCWMR-AG – EZ-Stream Universal Wireless Multimedia Receiver, 3 December 2003, 2 pages.	
	15	SMC NETWORKS CONSUMER SITE. About SMC: Press Release Details, 21 February 2004, 2 pages.	
	16	SMC NETWORKS CONSUMER SITE. Products: Home Entertainment Networking, 10 December 2003, 1 page.	
	17	SMC NETWORKS CONSUMER SITE. Products: Home Entertainment Networking, 7 February 2004, 1 page.	
	18	SMC NETWORKS CONSUMER SITE. Support: Support Center Downloads, 7 February 2004, 1 page.	
	19	SMC Networks Ez-Stream Universal 2.4GHz/5GHz Wireless Multimedia Receiver. SMCWMR-AG Users Manual, 60 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	20	SMC Networks. SMCWAA-B EZ-Stream 2.4GHz Wireless Audio Adapter, 2004, 51pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	21	SMC Networks. SMCWAA-B EZ-Stream 2.4GHz Wireless Audio Adapter. User Guide, 2004, 51 pages.	
	22	SMC Networks. SMCWMR-AG EZ-Stream Universal Wireless Multimedia Receiver. User Guide, 2003, 43 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	SMC Wireless Music Network Setup, 12 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	24	SMC-GT1255FTX-SC EZ Card. SMC Networks: What's New, 5 February 2004, 7 pages.	
	25	snarfed/p4sync. GitHub: A library and plugins for a few music players that (attempts to) synchronize playback across multiple computers, 2 pages [online]. [retrieved on 2020-03-26]. Retrieved online URL: https://github.com/snarfed/p4sync.	
	26	Software & drivers. Micro Audio System MCW770/37. Philips. Copyright 2004-2020, 3 pages [online]. [retrieved on 2020-02-24]. Retrieved from the Internet URL: https://www.usa.philips.com/c-p/MCW770_37/-/support.	
	27	Sonos, Inc. v D&M Holdings, D&M Supp Opposition Brief including Exhibits, 17 March 2017, 23 pages.	
	28	Sonos, Inc. v. D&M Holdings, Expert Report of Jay P. Kesan including Appendices A-P, Feb. 20, 2017, 776 pages.	
	29	Sonos, Inc. v. D&M Holdings Inc. et al., Complaint for Patent Infringement, filed October 21, 2014, 20 pages.	
	30	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Amended Invalidity Contentions, filed September 14, 2016, 100 pages.	
	31	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Initial Invalidity Contentions, filed April 15, 2016, 97 pages.	
	32	Sonos, Inc. v. D&M Holdings Inc. et al., Defendant's Preliminary Identification of Indefinite Terms, provided July 29, 2016, 8 pages.	
	33	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' 35 U.S.C. § 282 Notice filed November 2, 2017, 31 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' Amended Answer, Defenses, and Counterclaims for Patent Infringement, filed November 30, 2015, 47 pages.	
	35	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' Answer to Plaintiff's Second Amended Complaint, filed April 30, 2015, 19 pages.	
	36	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' First Amended Answer to Plaintiffs' Third Amended Complaint, filed September 7, 2016, 23 pages.	
	37	Sonos, Inc. v. D&M Holdings Inc. et al., Defendants' Reply in Support of Partial Motion for Judgment on the Pleadings, filed June 10, 2016, 15 pages.	
	38	Sonos, Inc. v. D&M Holdings Inc. et al., Exhibit A: Defendants' First Amended Answer to Plaintiffs' Third Amended Complaint, provided August 1, 2016, 26 pages.	
	39	Sonos, Inc. v. D&M Holdings Inc. et al., Exhibit A: Defendants' Second Amended Answer to Plaintiffs' Third Amended Complaint, filed September 9, 2016, 43 pages.	
	40	Sonos, Inc. v. D&M Holdings Inc. et al., Exhibit A: Defendants' Second Amended Answer to Plaintiffs' Third Amended Complaint, provided September 9, 2016, 88 pages.	
	41	Sonos, Inc. v. D&M Holdings Inc. et al., First Amended Complaint for Patent Infringement, filed December 17, 2014, 26 pages.	
	42	Sonos, Inc. v. D&M Holdings Inc. et al., Joint Claim Construction Chart, Volume 1 of 3 with Exhibits A-O, filed August 17, 2016, 30 pages.	
	43	Sonos, Inc. v. D&M Holdings Inc. et al., Opening Brief in Support of Defendants' Partial Motion for Judgment on the Pleadings for Lack of Patent-Eligible Subject Matter, filed May 6, 2016, 27 pages.	
	44	Sonos, Inc. v. D&M Holdings Inc. et al., Plaintiff Sonos, Inc.'s Opening Claim Construction Brief, filed September 9, 2016, 26 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Sonos, Inc. v. D&M Holdings Inc. et al., Plaintiff Sonos, Inc.'s Response in Opposition to Defendants' Partial Motion for Judgment on the Pleadings, filed May 27, 2016, 24 pages.	
	46	Sonos, Inc. v. D&M Holdings Inc. et al., Reply Brief in Support of Defendants' Motion for Leave to Amend their Answer to Add the Defense of Inequitable Conduct, provided November 10, 2016, 16 pages.	
	47	Sonos, Inc. v. D&M Holdings Inc. et al., Reply Brief in Support of Defendants' Motion for Leave to Amend their Answer to Add the Defense of Inequitable Conduct, provided September 9, 2016, 16 pages.	
	48	Sonos, Inc. v. D&M Holdings Inc. et al., Second Amended Complaint for Patent Infringement, filed February 27, 2015, 49 pages.	
	49	Sonos, Inc. v. D&M Holdings Inc. et al., Sonos's Motion to Strike Defendants' New Amended Answer Submitted with their Reply Brief, provided September 15, 2016, 10 pages.	
	50	Sonos, Inc. v. D&M Holdings Inc. et al., Sonos's Opposition to Defendants' Motion for Leave to Amend their Answer to Add the Defense of Inequitable Conduct, provided October 31, 2016, 26 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20070047712		2007-03-01	GROSS; Kevin P. et al.	
	2	20070048713		2007-03-01	PLASTINA; Daniel et al.	
	3	20070054680		2007-03-08	MO; Shaomin S. et al.	
	4	20070087686		2007-04-19	HOLM; Jukka et al.	
	5	20070142022		2007-06-21	MADONNA; Robert P. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	6	20070142944		2007-06-21	GOLDBERG; David et al.	
	7	20070143493		2007-06-21	MULLIG; Richard M. et al.	
	8	20070169115		2007-07-19	KO; Steve et al.	
	9	20070180137		2007-08-02	RAJAPAKSE; Ravi	
	10	20070192156		2007-08-16	GAUGER; Derek K.	
	11	20070220150		2007-09-20	GARG; Gopal K.	
	12	20070249295		2007-10-25	UKITA; Yoshitaka et al.	
	13	20070265031		2007-11-15	KOIZUMI; Michiaki et al.	
	14	20070271388		2007-11-22	BOWRA; Todd et al.	
	15	20070299778		2007-12-27	HAVESON; Ryan A. et al.	
	16	20080002836		2008-01-03	MOELLER; Niklas et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	17	20080007649		2008-01-10	BENNETT; James D.	
	18	20080007650		2008-01-10	BENNETT; James D.	
	19	20080007651		2008-01-10	BENNETT; James D.	
	20	20080018785		2008-01-24	BENNETT; James D.	
	21	20080022320		2008-01-24	VER STEEG; William C.	
	22	20080025535		2008-01-31	RAJAPAKSE; Ravi	
	23	20080072816		2008-03-27	RIESS; Walter H. et al.	
	24	20080075295		2008-03-27	MAYMAN; Avrum G. et al.	
	25	20080077619		2008-03-27	GILLEY; Glenn Gregory et al.	
	26	20080077620		2008-03-27	GILLEY; Glenn Gregory et al.	
	27	20080086318		2008-04-10	GILLEY; Glenn Gregory et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	28	20080091771		2008-04-17	ALLEN; Jeffrey L. et al.	
	29	20080109852		2008-05-08	KRETZ; Martin H. et al.	
	30	20080120429		2008-05-22	MILLINGTON; Nicholas A.J et al.	
	31	20080126943		2008-05-29	PARASNIS; Shashank Mohan et al.	
	32	20080144861		2008-06-19	MELANSON; John L. et al.	
	33	20080144864		2008-06-19	HUON; Graeme John [Au] et al.	
	34	20080146289		2008-06-19	KORNELUK; Jose E. et al.	
	35	20080189272		2008-08-07	POWERS; Michael et al.	
	36	20080205070		2008-08-28	OSADA; Yasuo	
	37	20080212786		2008-09-04	PARK; Hae-Kwang	
	38	20080215169		2008-09-04	DEBETTENCOURT; Lisa et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	39	20080263010		2008-10-23	ROYCHOUDHURI; Subrata et al.	
	40	20080273714		2008-11-06	HARTUNG; Klaus	
	41	20080303947		2008-12-11	OHNISHI; Sunao et al.	
	42	20090011798		2009-01-08	YAMADA; Hiroshi	
	43	20090017868		2009-01-15	UEDA; Joji et al.	
	44	20090031336		2009-01-29	CHAVEZ; Timothy R. et al.	
	45	20090060219		2009-03-05	INOHARA; Yuichi	
	46	20090070434		2009-03-12	HIMMELSTEIN; Richard B.	
	47	20090087000		2009-04-02	KO; Sang-Chul	
	48	20090089327		2009-04-02	KALABOUKIS; Chris et al.	
	49	20090100189		2009-04-16	BAHREN; Frank et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	50	20090124289		2009-05-14	NISHIDA; Osamu	
	51	20090157905		2009-06-18	DAVIS; Bradford C.	
	52	20090164655		2009-06-25	PETTERSSON; Mattias et al.	
	53	20090169030		2009-07-02	INOHARA; Yuichi	
	54	20090193345		2009-07-30	WENSLEY; Paul et al.	
	55	20090222115		2009-09-03	MALCOLM; David et al.	
	56	20090228919		2009-09-10	ZOTT; Joseph A. et al.	
	57	20090251604		2009-10-08	IYER; Suraj C.	
	58	20100004983		2010-01-07	DICKERSON; Stephanie et al.	
	59	20100031366		2010-02-04	KNIGHT; Mark Stephen et al.	
	60	20100049835		2010-02-25	KO; Steve et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	61	20100087089		2010-04-08	STRUTHERS; Scott et al.	
	62	20100228740		2010-09-09	CANNISTRARO; Alan et al.	
	63	20100284389		2010-11-11	RAMSAY; Max et al.	
	64	20100299639		2010-11-25	RAMSAY; Max Gordon et al.	
	65	20110001632		2011-01-06	HOHORST; Andrew Gordon	
	66	20110002487		2011-01-06	PANTHER; Heiko et al.	
	67	20110066943		2011-03-17	BRILLON; Francois [Ca] et al.	
	68	20110222701		2011-09-15	DONALDSON; Thomas A. et al.	
	69	20110228944		2011-09-22	CROGHAN; Frank et al.	
	70	20110316768		2011-12-29	MCRAE; Matthew Blake	
	71	20120029671		2012-02-02	MILLINGTON; Nicholas A. J. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	72	20120030366		2012-02-02	COLLART; Todd et al.	
	73	20120051567		2012-03-01	CASTOR-PERRY; Kendall	
	74	20120060046		2012-03-08	MILLINGTON; Nicholas A. J.	
	75	20120129446		2012-05-24	KO; Steve et al.	
	76	20120148075		2012-06-14	GOH; Aik Hee Daniel et al.	
	77	20120185771		2012-07-19	ROTHKOPF; Fletcher R. et al.	
	78	20120192071		2012-07-26	MILLINGTON; Nicholas A. J.	
	79	20120207290		2012-08-16	MOYERS; Josh et al.	
	80	20120237054		2012-09-20	EO; Kil-Su et al.	
	81	20120281058		2012-11-08	LANEY; Alan et al.	
	82	20120290621		2012-11-15	HEITZ, III; Geremy A. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	83	20130013757		2013-01-10	MILLINGTON; Nicholas A. J. [Us] et al.	
	84	20130018960		2013-01-17	KNYSZ; Matthew S. et al.	
	85	20130031475		2013-01-31	MAOR; Yehonatan Rafael et al.	
	86	20130038726		2013-02-14	KIM; Jin-Hyong	
	87	20130041954		2013-02-14	KIM; Laeyoung et al.	
	88	20130047084		2013-02-21	SANDERS; Christopher John et al.	
	89	20130052940		2013-02-28	BRILLHART; David C. et al.	
	90	20130070093		2013-03-21	RIVERA; Ed et al.	
	91	20130080599		2013-03-28	KO; Steve et al.	
	92	20130121492		2013-05-16	VACON; Gary et al.	
	93	20130124664		2013-05-16	FONSECA, Jr.; Benedito J. et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	94	20130129122		2013-05-23	JOHNSON; Martin E. et al.	
	95	20130132837		2013-05-23	MEAD; Jonathan Selwyn et al.	
	96	20130159126		2013-06-20	ELKADY; AMR	
	97	20130167029		2013-06-27	FRIESEN; Sharon E. [Us] et al.	
	98	20130174100		2013-07-04	SEYMOUR; Eric T. et al.	
	99	20130174223		2013-07-04	DYKEMAN; KIM R. et al.	
	100	20130179163		2013-07-11	HERBIG; Tobias et al.	
	101	20130191454		2013-07-25	OLIVER; Michael R. et al.	
	102	20130197682		2013-08-01	MILLINGTON; Nicholas A. J.	
	103	20130226323		2013-08-29	MILLINGTON; Nicholas A. J.	
	104	20130230175		2013-09-05	BECH; Soeren et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	105	20130232416		2013-09-05	MILLINGTON; Nicholas A. J.	
	106	20130253934		2013-09-26	PAREKH; Jateen P. et al.	
	107	20130279706		2013-10-24	MARTI; Stefan J. [Us] et al.	
	108	20130287186		2013-10-31	QUADY; Curtis E.	
	109	20130290504		2013-10-31	QUADY; Curtis E.	
	110	20140006483		2014-01-02	GARMARK; Sten [Se] et al.	
	111	20140037097		2014-02-06	LABOSCO; Mark	
	112	20140064501		2014-03-06	OLSEN; Martin et al.	
	113	20140075308		2014-03-13	SANDERS; Christopher John et al.	
	114	20140075311		2014-03-13	BOETTCHER; Jesse William et al.	
	115	20140079242		2014-03-20	NGUYEN; NAM et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	116	20140108929		2014-04-17	GARMARK; Sten et al.	
	117	20140123005		2014-05-01	FORSTALL; Scott J. [Us] et al.	
	118	20140140530		2014-05-22	GOMES-CASSERES; Glenn [Us] et al.	
	119	20140161265		2014-06-12	CHAIKIN; Peter et al.	
	120	20140181569		2014-06-26	MILLINGTON; Nicholas A.J et al.	
	121	20140233755		2014-08-21	KIM; Kwang-Soo et al.	
	122	20140242913		2014-08-28	PANG; Hawk YIN	
	123	20140256260		2014-09-11	UEDA; Joji et al.	
	124	20140267148		2014-09-18	LUNA; Michael Edward Smith [Us] et al.	
	125	20140270202		2014-09-18	IVANOV; Plamen A. et al.	
	126	20140273859		2014-09-18	LUNA; Michael Edward Smith [Us] et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	127	20140279889		2014-09-18	LUNA; Michael Edward Smith [Us] et al.	
	128	20140285313		2014-09-25	LUNA; Michael Edward Smith et al.	
	129	20140286496		2014-09-25	LUNA; Michael Edward Smith et al.	
	130	20140298174		2014-10-02	IKONOMOV; Artashes Valeryevich	
	131	20140323036		2014-10-30	DALEY; Michael J. et al.	
	132	20140344689		2014-11-20	SCOTT; Mark David [Us] et al.	
	133	20140378056		2014-12-25	LIU; Peter T. [Us] et al.	
	134	20150019670		2015-01-15	REDMANN; William Gibbens	
	135	20150026613		2015-01-22	KWON; Yunmi [Kr] et al.	
	136	20150032844		2015-01-29	TARR; Morton et al.	
	137	20150043736		2015-02-12	OLSEN; Martin et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	138	20150049248		2015-02-19	WANG; MIN et al.	
	139	20150074527		2015-03-12	SEVIGNY; Jonathan Christopher [Us] et al.	
	140	20150074528		2015-03-12	SAKALOWSKY; John Michael et al.	
	141	20150098576		2015-04-09	SUNDARESAN; Rameshwar et al.	
	142	20150139210		2015-05-21	MARIN; Janne et al.	
	143	20150256954		2015-09-10	CARLSSON; Gregory Peter [Us] et al.	
	144	20150304288		2015-10-22	BALASAYGUN; Mehmet et al.	
	145	20150365987		2015-12-17	WEEL; Martin	

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2]i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

EFS Web 2.1.18

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

NON-PATENT LITERATURE DOCUMENTS Remove			
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
	1	cd30 Introduces Family of MP3 Players at this year's Consumer Electronics Show. 9-12 January, 2003 Las Vegas Convention Center, 2 pages.	
	2	cd30 Introduces Family of Wireless Network MP3 Players. 9-12 January 2003 Las Vegas Convention Center, 2 pages.	
	3	cd30. Logo page, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	4	cd30 Management, 12 December 2003, 1 page.	
	5	cd30. Management Team, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	6	cd30. Multi-Player Synchronization. 15 January 2004, 4 pages.	
	7	cd30 Network MP3 Player Models, 01 February 2004, 1 page.	
	8	Cd30, Network MP3 Player, Product Manual. Copyright 2003, 65 pages.	
	9	cd30 Network MP3 Player. Product Manual for c100, c200, and c300, 2003, 65 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	10	cd30. Network MP3 Player. Quick Installation Guide, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	11	cd30. Network MP3 Player Quick Installation Guide, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	12	cd30 Network MP3 Player Reviews. 1 February 2004, 2 pages.	
	13	cd30 Network MP3 Player Specifications. 2 February 2004, 2 pages.	
	14	cd30 Network MP3 Players, 18 November 2003, 1 page.	
	15	cd30 Network MP3 Players c100, c200, and c300, 1 page [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	16	cd30 Network MP3 Players: Stream music from your PC to your stereo, 18 November 2003, 1 page.	
	17	cd30 Network MP3 Players: Stream your MP3s to your stereo! 24 May 2003, 1 page.	
	18	cd30. News, Reviews 21 November 21 2003, 2 pages.	
	19	cd30. Product Manual Availability, 03 October 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	20	cd30. Product Support. 10 May 2006, 17 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	21	cd30 Product Support Forums. Forum Index, 15 April 2003, 1 page.	
	22	cd30 Product Support Forums. Forum Index, 18 June 2003, 1 page.	
	23	cd30 Product Support Forums. Forum Index, 2 February 2004, 1 page.	
	24	cd30. Product Support Forums. Multiple stereos -- multiple cd30s -- same music? 3 November 2003, 2 pages.	
	25	cd3o. Management Team, 1 page [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	26	Cd3o. Network MP3 Player, Product Manual, 2003, 65 pages.	
	27	cd3o. Network MP3 Players. Keep your MP3s on your PC...Listen to them on your stereo. 24 May 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	28	cd3o. Network MP3 Players. Store your music on your PC...Listen to it on your stereo, wirelessly! 18 November 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	29	cd3o Product Support Center, 19 November 2003, 1 page.	
	30	cd3o. Product Support Center. Getting Assistance, 19 November 2003, 1 page. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	31	cd3o Wireless Music Network Setup, 35 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	32	CEN et al., "A Distributed Real-Time MPEG Video Audio Player," Department of Computer Science and Engineering, Oregon Graduate Institute of Science and Technology, 1995, 12 pages.	
	33	CES: MP3-Player mit Pfiff, 13 January 2003, 4 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	34	CHAKRABARTI et al., "A Remotely Controlled Bluetooth Enabled Environment," IEEE, 2004, pp. 77-81.	
	35	Change Notification: Agere Systems WaveLan Multimode Reference Design (D2 to D3), AVAGO0042, Agere Systems, November 2004, 2 pages.	
	36	Cheshire et al. RFC 3927 - Dynamic Configuration of IPv4 Link-Local Addresses, 2005, 34 pages.	
	37	Cheshire et al. Zero Configuration Networking: The Definitive Guide. December 2005, 288 pages.	
	38	CHINESE OFFICE ACTION, Office Action mailed on 20 December 2016, issued in connection with Chinese Application No. 201380044446.8, 16 pages.	
	39	CHINESE PATENT OFFICE, Office Action mailed on 05 July 2016, issued in connection with Chinese Patent Application No. 201380044380.2, 25 pages.	
	40	CHINESE PATENT OFFICE, Second Office Action mailed on 27 February 2017, issued in connection with Chinese Patent Application No. 201380044380.2, 22 pages.	
	41	Clipsal. Multi Room Audio Amplifier, User's Guide, V1.0, December 2005, 28 pages.	
	42	Clipsal. Multi Room Audio Matrix Switcher, User's Guide, 560884, V1.0, December 2005, 20 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	43	C-Media. CM102-A/102S USB 2CH Audio Controller, Data Sheet. Version 1.4. 21 May 2003, 20 pages.	
	44	C-Media Electronics Inc. CMI8768/8768+ Advanced Driver Software Architecture. User Manual, Revision: 1.0, May 25, 2004, 29 pages.	
	45	C-Media XeaR 3D Sound Solution. CMI8738 4/6-Channel PCI Audio Single Chip. User Manual, Rev. 2.1, May 21, 2002, 44 pages. .	
	46	CNET. Wireless gizmo for PC music hits home, 30 September 2003, 4 pages.	
	47	Compaq et al., Universal Serial Bus Specification, Revision 2.0, 27 April 2000, 650 pages.	
	48	Connected, distributed audio solution for your home by barix and Stand-alone, distributed audio solution for your home by barix. Copyright September 2003. Sourced from Sonos, Inc. v. Lenbrook Industries Limited et al. - Defendants' Answer to Plaintiff's Complaint - Exhibit A filed October 14, 2019, 3 pages.	
	49	Connected Planet. Using PC Link. Streamium PC Link by Philips. Models MC-i200/250, SL300i, SL400i, MX6000i, last modified 5 August 2004, 2 pages. .	
	50	Connection Manager: 1 Service Template Version 1.01 For UPnP, Version 1.0 (June 25, 2002) (25 pages).	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Final Office Action mailed on 15 June 2017, issued in connection with U.S. Patent Application No. 15/228639, filed on 04 August 2016, 16 pages.	
	2	Final Office Action mailed on 15 May 2017, issued in connection with U.S. Patent Application No. 13/864252, filed on 17 April 2013, 13 pages.	
	3	Final Office Action mailed on 16 March 2011, issued in connection with U.S. Patent Application No. 11/147116, filed 06 June 2005, 40 pages.	
	4	Final Office Action mailed on 16 May 2017, issued in connection with U.S. Patent Application No. 13/864249, filed on 17 April 2013, 14 pages.	
	5	Final Office Action mailed on 16 May 2017, issued in connection with U.S. Patent Application No. 13/864250, filed on 17 April 2013, 12 pages.	
	6	Final Office Action mailed on 17 December 2014, issued in connection with U.S. Patent Application No. 13/533105, filed on 26 June 2012, 36 pages.	
	7	Final Office Action mailed on 19 October 2016, issued in connection with U.S. Patent Application No. 13/848921, filed on 22 March 2013, 14 pages.	
	8	Final Office Action mailed on 20 April 2017, issued in connection with U.S. Patent Application No. 13/864248, filed on 17 April 2013, 14 pages.	
	9	Final Office Action mailed on 21 January 2010, issued in connection with U.S. Patent Application No. 11/906702, filed on 02 October 2007, 27 pages.	
	10	Final Office Action mailed on 22 October 2014, issued in connection with U.S. Patent Application No. 14/186850, filed on 21 February 2014, 12 pages.	
	11	Final Office Action mailed on 23 October 2014, issued in conection with U.S. Patent Application No. 13/705176, filed on 05 December 2012, 23 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Final Office Action mailed on 24 December 2009, issued in connection with U.S. Patent Application No. 11/147116, filed on 06 June 2005, 29 pages.	
	13	Final Office Action mailed on 24 February 2016, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 28 pages.	
	14	Final Office Action mailed on 25 May 2016, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 33 pages.	
	15	Final Office Action mailed on 28 April 2015, issued in connection with U.S. Patent Application No. 14/186850, filed on 21 February 2014, 20 pages.	
	16	Final Office Action mailed on 28 June 2017, issued in connection with U.S. Patent Application No. 14/808875, filed on 24 July 2015, 14 pages.	
	17	Final Office Action mailed on 30 November 2015, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 26 pages.	
	18	Final Office Action mailed on 31 December 2015, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 34 pages.	
	19	Final Office Action mailed on 4 February 2019, issued in connection with U.S. Patent Application No. 15/091113, filed on 5 April 2016, 23 pages.	
	20	FireBall Digital Music Manager E-40 and E-120. Meet FireBall. The Industry's choice for managing your entire music collection. Datasheet. 2003, 2 pages.	
	21	Fireball DVD and Music Manager DVDM-100 Installation and User's Guide, Copyright 2003, 185 pages.	
	22	Fireball E2 User's Manual. Escient. Gracenote cddb. 2000-2004, 106 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Fireball MP-200 User's Manual, Copyright 2006, 93 pages.	
	24	Fireball Remote Control Guide WD006-1-1, Copyright 2003, 19 pages.	
	25	Fireball SE-D1 User's Manual, Copyright 2005, 90 pages.	
	26	First Action Interview Office Action Summary mailed on 15 April 2015, issued in connection with U.S. Patent Application No. 14/505027, filed on 02 October 2014, 6 pages.	
	27	First Action Pre-Interview Office Action mailed on 22 June 2017, issued in connection with U.S. Patent Application No. 14/516883, filed on 17 October 2014, 4 pages.	
	28	First Action Pre-Interview Office Action mailed on 22 June 2017, issued in connection with U.S. Patent Application No. 14/516883, filed on 17 October 2014, 5 pages.	
	29	First Office Action Interview mailed on 30 August 2017, issued in connection with U.S. Patent Application No. 14/516,883, filed on 17 October 2014, 5 pages.	
	30	FOBER et al., "Clock Skew Compensation over a High Latency Network," Proceedings of the ICMC, 2002, pp. 548-552.	
	31	FOUT, Tom, "Universal Plug and Play (UPnP) Client Support," Microsoft, August 2001, 18 pages.	
	32	Fried, John J. NewsRoom, Convergence melds personal computer, TV and stereo, 20 February 2003, 4 pages.	
	33	Fried, John J. Test Drive: Convergence melds personal computer, TV and stereo. Philadelphia Inquirer. 20 February 2003, 3 pages.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Fried, John J. Wireless solution for stereo sound, NewsRoom. 7 August 2003, 3 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	35	Fries et al. "The MP3 and Internet Audio Handbook: Your Guide to the Digital Music Revolution." 2000, 320 pages.	
	36	Frodigh, Magnus. Wireless ad hoc networking - The art of networking without a network, Ericsson Review No. 4, 2000, 16 pages.	
	37	FULTON et al., "The Network Audio System: Make Your Application Sing (As Well As Dance)!" The X Resource, 1994, 14 pages.	
	38	GASTON et al., "Methods for Sharing Stereo and Multichannel Recordings Among Planetariums," Audio Engineering Society Convention Paper 7474, 2008, 15 pages.	
	39	Gateway SOLO 5300 USER MANUAL, 305 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	40	General Event Notification Architecture Base: Client to Arbiter (April 2000) (23 pages).	
	41	Getting to know Logitech Squeezebox Touch Wi-Fi Music Player. Features Guide, 2010, 36 pages.	
	42	Godber et al. Secure Wireless Gateway. RightsLink. Arizona State University, pages 41- 46 [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	43	Golem, WLAN-MP3-Player zum Anschluss an die Stereoanlage, 1 June 2003, 2 pages.	
	44	Google's Answer to Complaint and Counterclaims filed with United States District Court Central District of California, Western Division on 2 March 2020, 50 pages. .	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Google's Counterclaims to Sonos's Complaint filed with United States District Court Central District of California, Western Division on 11 March 2020, 13 pages. .	
	46	Guttman, Erik. An API for the Zeroconf Multicast Address Allocation Protocol, 6 June 2001, 11 pages.	
	47	Guttman, Erik. Autoconfiguration for IP Networking: Enabling Local Communication, June 2001, 6 pages.	
	48	Guttman, Erik. Network Working Group, Zeroconf Host Profile Applicability Statement, Internet-Draft, 20 July 2001, 9 pages. .	
	49	HANS et al., "Interacting with Audio Streams for Entertainment and Communication," Proceedings of the Eleventh ACM International Conference on Multimedia, ACM, 2003, 7 pages.	
	50	Hawn, Andrew. TechTV, First Look: cd3o c300, 2004, 2 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Philips Media Manager 3.3.12.0004 Release Notes, last modified 29 August 2006, 2 pages.	
	2	Philips. Media Manager Software - English version: PMM 3.3.12, software/ source code available via zip file ("Media Manager Software - English") published September 15, 2004, 3 pages [online], [retrieved on 2020-02-24]. Retrieved from the Internet URL : https://www.usa.philips.com/c-p/MCW770_37/-/support.	
	3	Philips. PC Software version: V.12.1, software/ source code available via zip file ("PC Software") published September 15, 2004, 3 pages [online], [retrieved on 2020-02-24]. Retrieved from the Internet URL : https://www.usa.philips.com/c-p/MCW770_37/-/support.	
	4	Philips.Wireless PC Link Micro MCW770 Custom Installation, User Manual, published August 24, 2004, 61 pages.	
	5	PILLAI et al., "A Method to Improve the Robustness of MPEG Video Applications over Wireless Networks," Kent Ridge Digital Labs, 2000, 15 pages.	
	6	Pinnacle ShowCenter. Pinnacle Systems, March 2005, 132 pages.	
	7	Pohlmann, Ken. Omnifi DMS1 Wi-Fi Media Receiver. Sound & Vision, 20 October 2003, 7 pages.	
	8	Polycom Conference Composer User Guide, copyright 2001, 29 pages.	
	9	Pre-Brief Conference Decision mailed on 11 May 2017, issued in connection with U.S. Patent Application No. 14/504812, filed on 2 October 2014, 2 pages.	
	10	Pre-Interview First Office Action mailed on 10 March 2015, issued in connection with U.S. Patent Application No. 14/505027, filed on 02 October 2014, 4 pages.	
	11	Presentations at WinHEC 2000, May 2000, 138 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	PRISMIQ, Inc., "PRISMIQ Media Player User Guide," 2003, 44 pages.	
	13	Proficient Audio Systems M6 Quick Start Guide, 2011, 5 pages.	
	14	Proficient Audio Systems: Proficient Editor Advanced Programming Guide, 2007, 40 pages.	
	15	Programming Interface for WL54040 Dual-Band Wireless Transceiver, AVAGO0066, Agere Systems, May 2004, 16 pages.	
	16	Publishing Network Services. Apple Developer Connection. Rendezous Network Services: Publishing Network Services, 12 November 2002, 6 pages.	
	17	Radio Shack, "Auto-Sensing 4-Way Audio/Video Selector Switch," 2004, 1 page.	
	18	RadioShack, Pro-2053 Scanner, 2002 Catalog, part 1, 100 pages.	
	19	RadioShack, Pro-2053 Scanner, 2002 Catalog, part 2, 100 pages.	
	20	RadioShack, Pro-2053 Scanner, 2002 Catalog, part 3, 100 pages.	
	21	RadioShack, Pro-2053 Scanner, 2002 Catalog, part 4, 100 pages.	
	22	RadioShack, Pro-2053 Scanner, 2002 Catalog, part 5, 46 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	RANGAN et al., "Feedback Techniques for Continuity and Synchronization in Multimedia Information Retrieval," ACM Transactions on Information Systems, 1995, pp. 145-176, Vol. 13, No. 2.	
	24	Real Time Control Protocol (RTCP) and Realtime Transfer Protocol (RTP), RFC 1889 (Jan. 1996) (D+M_0397810-84) (75 pages).	
	25	Realtime Streaming Protocol (RTSP), RFC 2326 (Apr. 1998) (D+M_0397945-8036) (92 pages).	
	26	Realtime Transport Protocol (RTP), RFC 3550 (July 2003) (D+M_0398235-323) (89 pages).	
	27	Re-Exam Final Office Action mailed on 5 August 2015, issued in connection with U.S. Patent Application No. 90/013423, filed on 5 January 2015, 25 pages.	
	28	Reexam Non-Final Office Action mailed on 09 November 2016, issued in connection with U.S. Patent Application No. 90/013774, filed on 29 June 2016, 35 pages.	
	29	Re-Exam Non-Final Office Action mailed on 22 April 2015, issued in connection with U.S. Patent Application No. 90/013423, filed on 05 January 2015, 16 pages.	
	30	REID, Mark, "Multimedia conferencing over ISDN and IP networks using ITU-T H-series recommendations: architecture, control and coordination," Computer Networks, 1999, pp. 225-235, Vol. 31.	
	31	RenderingControl:1 Service Template Version 1.01 For UPnP, Version 1.0, (June 25, 2002) (SONDM000115187-249) (63 pages).	
	32	Rendezous Network Services: Resolving and Using Network Services. Apple Developer Connection, 12 November 2002, 5 pages.	
	33	Rendezvous Network Services: About Rendezvous. Apple Developer Connection, 12 November 2002, 5 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Renewed Request for Ex Parte Re-Examination, U.S. Application No. 90/013959 filed 16 June 2017, 126 pages.	
	35	Renkus Heinz Manual; available for sale at least 2004, 6 pages.	
	36	Request for Ex Parte Reexamination submitted in U.S. Patent 9213357 on May 22, 2017, 85 pages.	
	37	"Residential Distributed Audio Wiring Practices," Leviton Network Solutions, 2001, 13 pages.	
	38	RITCHIE et al., "MediaServer:1 Device Template Version 1.01," Contributing Members of the UPnP Forum, June 25, 2002, 12 pages.	
	39	RITCHIE et al., "UPnP AV Architecture:1, Version 1.0," Contributing Members of the UPnP Forum, June 25, 2002, 22 pages.	
	40	RITCHIE, John, "MediaRenderer:1 Device Template Version 1.01," Contributing Members of the UPnP Forum, June 25, 2002, 12 pages.	
	41	Rocketfish. Digital Wireless Speakers. RF-WS01/WS01-W/WS02 User Guide, 2008, 28 pages.	
	42	Rocketfish. Wireless Outdoor Speaker. RF-RBWS02 User Guide, 2009, 33 pages.	
	43	Rocketfish Wireless Outdoor Speaker RF-RBWS02 User Guide, 2009, 33 pages. .	
	44	Roku SoundBridge Network Music Player User Guide v2.5, 2006, 40 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	ROLAND CORPORATION, "Roland announces BA-55 Portable PA System," press release, April 6, 2011, 2 pages.	
	46	Rose, B., Home Networks: A Standards Perspective. In-Home Networking, IEEE Communications Magazine, December 2001, 8 pages.	
	47	ROTHERMEL et al., "An Adaptive Protocol for Synchronizing Media Streams," Institute of Parallel and Distributed High-Performance Systems (IPVR), 1997, 26 pages.	
	48	ROTHERMEL et al., "An Adaptive Stream Synchronization Protocol," 5th International Workshop on Network and Operating System Support for Digital Audio and Video, 1995, 13 pages.	
	49	ROTHERMEL et al., "An Adaptive Stream Synchronization Protocol," 5th International Workshop on Network and Operating System Support for Digital Audio and Video, April 18-21, 1995, 12 pages.	
	50	ROTHERMEL et al., "Clock Hierarchies- An Abstraction for Grouping and Controlling Media Streams," University of Stuttgart Institute of Parallel and Distributed High-Performance Systems, January 1996, 23 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17018401
Filing Date	2020-09-11
First Named Inventor	MILLINGTON; Nicholas A.J.
Art Unit	2451
Examiner Name	MADAMBA, GLENFORD J
Attorney Docket Number	05-0601-CON0920

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	1	Final Office Action mailed on 15 June 2017, issued in connection with U.S. Patent Application No. 15/228639, filed on 04 August 2016, 16 pages.	
	2	Final Office Action mailed on 15 May 2017, issued in connection with U.S. Patent Application No. 13/864252, filed on 17 April 2013, 13 pages.	
	3	Final Office Action mailed on 16 March 2011, issued in connection with U.S. Patent Application No. 11/147116, filed 06 June 2005, 40 pages.	
	4	Final Office Action mailed on 16 May 2017, issued in connection with U.S. Patent Application No. 13/864249, filed on 17 April 2013, 14 pages.	
	5	Final Office Action mailed on 16 May 2017, issued in connection with U.S. Patent Application No. 13/864250, filed on 17 April 2013, 12 pages.	
	6	Final Office Action mailed on 17 December 2014, issued in connection with U.S. Patent Application No. 13/533105, filed on 26 June 2012, 36 pages.	
	7	Final Office Action mailed on 19 October 2016, issued in connection with U.S. Patent Application No. 13/848921, filed on 22 March 2013, 14 pages.	
	8	Final Office Action mailed on 20 April 2017, issued in connection with U.S. Patent Application No. 13/864248, filed on 17 April 2013, 14 pages.	
	9	Final Office Action mailed on 21 January 2010, issued in connection with U.S. Patent Application No. 11/906702, filed on 02 October 2007, 27 pages.	
	10	Final Office Action mailed on 22 October 2014, issued in connection with U.S. Patent Application No. 14/186850, filed on 21 February 2014, 12 pages.	
	11	Final Office Action mailed on 23 October 2014, issued in conection with U.S. Patent Application No. 13/705176, filed on 05 December 2012, 23 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	12	Final Office Action mailed on 24 December 2009, issued in connection with U.S. Patent Application No. 11/147116, filed on 06 June 2005, 29 pages.	
	13	Final Office Action mailed on 24 February 2016, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 28 pages.	
	14	Final Office Action mailed on 25 May 2016, issued in connection with U.S. Patent Application No. 14/290493, filed on 29 May 2014, 33 pages.	
	15	Final Office Action mailed on 28 April 2015, issued in connection with U.S. Patent Application No. 14/186850, filed on 21 February 2014, 20 pages.	
	16	Final Office Action mailed on 28 June 2017, issued in connection with U.S. Patent Application No. 14/808875, filed on 24 July 2015, 14 pages.	
	17	Final Office Action mailed on 30 November 2015, issued in connection with U.S. Patent Application No. 13/871795, filed on 26 April 2013, 26 pages.	
	18	Final Office Action mailed on 31 December 2015, issued in connection with U.S. Patent Application No. 14/486667, filed on 15 September 2014, 34 pages.	
	19	Final Office Action mailed on 4 February 2019, issued in connection with U.S. Patent Application No. 15/091113, filed on 5 April 2016, 23 pages.	
	20	FireBall Digital Music Manager E-40 and E-120. Meet FireBall. The Industry's choice for managing your entire music collection. Datasheet. 2003, 2 pages.	
	21	Fireball DVD and Music Manager DVDM-100 Installation and User's Guide, Copyright 2003, 185 pages.	
	22	Fireball E2 User's Manual. Escient. Gracenote cddb. 2000-2004, 106 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	23	Fireball MP-200 User's Manual, Copyright 2006, 93 pages.	
	24	Fireball Remote Control Guide WD006-1-1, Copyright 2003, 19 pages.	
	25	Fireball SE-D1 User's Manual, Copyright 2005, 90 pages.	
	26	First Action Interview Office Action Summary mailed on 15 April 2015, issued in connection with U.S. Patent Application No. 14/505027, filed on 02 October 2014, 6 pages.	
	27	First Action Pre-Interview Office Action mailed on 22 June 2017, issued in connection with U.S. Patent Application No. 14/516883, filed on 17 October 2014, 4 pages.	
	28	First Action Pre-Interview Office Action mailed on 22 June 2017, issued in connection with U.S. Patent Application No. 14/516883, filed on 17 October 2014, 5 pages.	
	29	First Office Action Interview mailed on 30 August 2017, issued in connection with U.S. Patent Application No. 14/516,883, filed on 17 October 2014, 5 pages.	
	30	FOBER et al., "Clock Skew Compensation over a High Latency Network," Proceedings of the ICMC, 2002, pp. 548-552.	
	31	FOUT, Tom, "Universal Plug and Play (UPnP) Client Support," Microsoft, August 2001, 18 pages.	
	32	Fried, John J. NewsRoom, Convergence melds personal computer, TV and stereo, 20 February 2003, 4 pages.	
	33	Fried, John J. Test Drive: Convergence melds personal computer, TV and stereo. Philadelphia Inquirer. 20 February 2003, 3 pages.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	34	Fried, John J. Wireless solution for stereo sound, NewsRoom. 7 August 2003, 3 pages. [produced by Google in Inv. No. 337-TA-1191 on September 4, 2020].	
	35	Fries et al. "The MP3 and Internet Audio Handbook: Your Guide to the Digital Music Revolution." 2000, 320 pages.	
	36	Frodigh, Magnus. Wireless ad hoc networking - The art of networking without a network, Ericsson Review No. 4, 2000, 16 pages.	
	37	FULTON et al., "The Network Audio System: Make Your Application Sing (As Well As Dance)!" The X Resource, 1994, 14 pages.	
	38	GASTON et al., "Methods for Sharing Stereo and Multichannel Recordings Among Planetariums," Audio Engineering Society Convention Paper 7474, 2008, 15 pages.	
	39	Gateway SOLO 5300 USER MANUAL, 305 pages [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	40	General Event Notification Architecture Base: Client to Arbiter (April 2000) (23 pages).	
	41	Getting to know Logitech Squeezebox Touch Wi-Fi Music Player. Features Guide, 2010, 36 pages.	
	42	Godber et al. Secure Wireless Gateway. RightsLink. Arizona State University, pages 41- 46 [produced by Google in Inv. No. 337-TA-1191 on May 6, 2020].	
	43	Golem, WLAN-MP3-Player zum Anschluss an die Stereoanlage, 1 June 2003, 2 pages.	
	44	Google's Answer to Complaint and Counterclaims filed with United States District Court Central District of California, Western Division on 2 March 2020, 50 pages. .	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

	45	Google's Counterclaims to Sonos's Complaint filed with United States District Court Central District of California, Western Division on 11 March 2020, 13 pages. .	
	46	Guttman, Erik. An API for the Zeroconf Multicast Address Allocation Protocol, 6 June 2001, 11 pages.	
	47	Guttman, Erik. Autoconfiguration for IP Networking: Enabling Local Communication, June 2001, 6 pages.	
	48	Guttman, Erik. Network Working Group, Zeroconf Host Profile Applicability Statement, Internet-Draft, 20 July 2001, 9 pages. .	
	49	HANS et al., "Interacting with Audio Streams for Entertainment and Communication," Proceedings of the Eleventh ACM International Conference on Multimedia, ACM, 2003, 7 pages.	
	50	Hawn, Andrew. TechTV, First Look: cd3o c300, 2004, 2 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/GLENFORD J MADAMBA/	Date Considered	02/27/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17018401
	Filing Date	2020-09-11
	First Named Inventor	MILLINGTON; Nicholas A.J.
	Art Unit	2451
	Examiner Name	MADAMBA, GLENFORD J
	Attorney Docket Number	05-0601-CON0920

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Brandon J. Kennedy/	Date (YYYY-MM-DD)	2020-11-30
Name/Print	Brandon J. Kennedy	Registration Number	67,894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.J.M/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Docket No. 05-0601-CON0920)

In re Application of: Sonos, Inc. Serial No.: 17/018,401 Filing Date: September 11, 2020 Title: Playback Device Connection	Confirmation No.: 6116 Examiner: MADAMBA, Glenford J. Group Art Unit: 2451

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

COMMENTS ON STATEMENT OF REASONS FOR ALLOWANCE

Applicant thanks Examiner Madamba for the thorough examination and for recognizing the allowability of the subject matter of the claims.

Applicant respectfully submits that the Reasons for Allowance may not take into account the entirety of the Applicant's claimed invention as reflected in the claims, the specification, and the prosecution history of the application. Applicant believes that the claims, specification, and prosecution history in their entirety provide an adequate basis for allowability of the claims.

The Applicant also notes that there are additional reasons that one or more of the claims are allowable that have not been specifically included in the Reasons for Allowance. The Applicant respectfully submits that, notwithstanding the Reasons for Allowance, it is believed that each of the allowed claims is patentable in its own right, for other reasons raised during prosecution and/or explained in the Specification of the present application.

For example, while the Reasons for Allowance focus on certain aspects of the independent claims, there are many aspects of the independent claims that distinguish the allowed claims from the cited art of record. All of these distinctions, made apparent in the prosecution history of the present application, should be considered when evaluating the allowability of the claims.

To the extent that specific parts of the Examiner's Statement of Reasons for Allowance or other statements in the Notice of Allowance may pertain to features appearing in some but not all claims, Applicant respectfully submits that the Examiner has thoroughly examined the claims, recognized the features appearing or not appearing in each of the claims, and properly found each of the claims to be allowable. To the extent that the Examiner has paraphrased claim features, Applicant respectfully submits that the claims have been construed in view of their language in light of the specification and not limited by any of the Examiner's statements or by the recitation therein of any specific claim features.

Respectfully submitted,

Date: April 20, 2021

By: /Brandon J. Kennedy/
Brandon J. Kennedy
Registration No. 67,894

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/018,401	06/01/2021	11025509	05-0601-CON0920	6116

135176 7590 05/12/2021

LS3 Sonos
Lee Sullivan Shea & Smith LLP
656 W. Randolph St.
Floor 5W
Chicago, IL 60661

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site http://pair.uspto.gov for additional applicants):

Nicholas A.J. Millington, Santa Barbara, CA;
Sonos, Inc., Santa Barbara, CA;
Paul V. Hainsworth, Foxboro, MA;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.

IR103 (Rev. 10/09)