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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/675,220	05/28/2024	Yehuda BINDER	BINDER-014-US28	4512
131926	7590	05/27/2025		
May Patents Ltd. c/o Dorit Shem-Tov			EXAMINER	
P.O.B 7230			MEKY, MOUSTAFA M	
Ramat-Gan, 5217102				
ISRAEL			ART UNIT	PAPER NUMBER
			2457	
			NOTIFICATION DATE	DELIVERY MODE
			05/27/2025	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):

dorit.shemtov@gmail.com
uspto.may.patents@gmail.com
ybybyb1@gmail.com

APPLICATION NO.	ISSUE DATE	PATENT NO.
18/675,220	27-May-2025	12316706

May Patents Ltd. c/o Dorit Shem-Tov
P.O.B 7230
Ramat-Gan, 5217102
ISRAEL

EGRANT NOTIFICATION

Your electronic patent grant (eGrant) is now available, which can be accessed via Patent Center at <https://patentcenter.uspto.gov>

The electronic patent grant is the official patent grant under 35 U.S.C. 153. For more information, please visit <https://www.uspto.gov/electronicgrants>



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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/675,220	05/27/2025	12316706	BINDER-014-US28	4512

131926 7590 05/14/2025
May Patents Ltd. c/o Dorit Shem-Tov
P.O.B 7230
Ramat-Gan, 5217102
ISRAEL

ISSUE NOTIFICATION

The projected patent number and issue date are specified above. The patent will issue electronically. The electronically issued patent is the official patent grant pursuant to 35 U.S.C. § 153. The patent may be accessed on or after the issue date through Patent Center at <https://patentcenter.uspto.gov/>. The patent will be available in both the public and the private sides of Patent Center. Further assistance in electronically accessing the patent, or about Patent Center, is available by calling the Patent Electronic Business Center at 1-888-217-9197.

The USPTO is implementing electronic patent issuance with a transition period, during which period the USPTO will mail a ceremonial paper copy of the electronic patent grant to the correspondence address of record. Additional copies of the patent (i.e., certified and presentation copies) may be ordered for a fee from the USPTO's Certified Copy Center at <https://certifiedcopycenter.uspto.gov/index.html>. The Certified Copy Center may be reached at (800)972-6382.

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 Center (<https://patentcenter.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 Patents Stakeholder Experience (OPSE), Stakeholder Support Division (SSD) at (571)-272-4200.

INVENTOR(s) (Please see PATENT CENTER site <https://patentcenter.uspto.gov> for additional inventors):

Yehuda BINDER, Ramat Gan, ISRAEL;
Benjamin MAYTAL, Mevasseret Zion, ISRAEL;

APPLICANT(s) (Please see PATENT CENTER site <https://patentcenter.uspto.gov> for additional applicants):

May Patents Ltd., Hod Hasharon, ISRAEL;

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](https://selectusa.gov).

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		18675220
	Filing Date		2024-05-28
	First Named Inventor	Yehuda BINDER	
	Art Unit	2457	
	Examiner Name	Meky	
	Attorney Docket Number	BINDER-014-US28	

Change(s) applied to document /C12/	9	7047196		~~05/2006~~ ~~2001-02-16~~	Theodore Calderone et al.	
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If you wish to add additional U.S. Patent citation information please click the Add button.

4/26/2025 **U.S.PATENT APPLICATION PUBLICATIONS**

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.

FOREIGN PATENT DOCUMENTS

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.

NON-PATENT LITERATURE DOCUMENTS

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		☐

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

EXAMINER SIGNATURE

Examiner Signature	/MOUSTAFA M MEKY/	Date Considered	03/16/2025
--------------------	-------------------	-----------------	------------

*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.



UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
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ELECTRONIC PAYMENT RECEIPT

APPLICATION # 18/675,220	RECEIPT DATE / TIME 04/24/2025 08:03:21 AM Z ET	ATTORNEY DOCKET # BINDER-014-US28
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Title of Invention

SYSTEM AND METHOD FOR SERVER BASED CONTROL

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	4512	FILED BY	Dorit Binder
PATENT CENTER #	70139730	AUTHORIZED BY	Yehuda Binder
CUSTOMER #	131926	FILING DATE	05/28/2024
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Yehuda BINDER

Payment Information

PAYMENT METHOD DA / 506726	PAYMENT TRANSACTION ID E20254N904079409	PAYMENT AUTHORIZED BY Dorit Binder
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FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
2501	UTILITY ISSUE FEE	516.00	1	516.00
TOTAL AMOUNT:				\$516.00

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 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.

PART B – FEE(S) TRANSMITTAL

Complete and send this form, together with the applicable fee(s), by mail or fax, or via the USPTO patent electronic filing system.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 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 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. Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.

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

May Patents Ltd.

c/o Dorit Shem-Tov

P.O.B. 7230

Ramat-Gan 5217102,

Israel

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 the USPTO patent electronic filing system or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)

(Signature)

April 24, 2025

(Date)

APPLICATION NO	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO	CONFIRMATION NO
18/675,220	05/28/2024	Yehuda BINDER	BINDER-014-US28	4512

TITLE OF INVENTION:

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$516	\$0	\$0	\$516	07/22/2025

EXAMINER	ART UNIT	CLASS-SUBCLASS
MOUSTAFA M MEKY	2457	348/077.000

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/AIA/47 or 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. May Patents Ltd. c/o Do

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)

May Patents Ltd.

HOD-HASHARON,

Israel 45103

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government4a. Fees Submitted: ☒ Issue Fee ☐ Publication Fee (if required)

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

- ☐ Electronic Payment via the USPTO patent electronic filing system ☐ 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. 506726

5. Change of 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 as a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken as 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 /Yehuda Binder/

Date April 24, 2025

Typed or printed name Yehuda BINDER

Registration No. 73,612

PTOL-85 Part B (11-23) Approved for use through 03/31/2026

OMB 0651-0033

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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.

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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. The United States Patent and Trademark Office (USPTO) collects the information in this record under authority of 35 U.S.C. 2. The USPTO's system of records is used to manage all applicant and owner information including name, citizenship, residence, post office address, and other information with respect to inventors and their legal representatives pertaining to the applicant's/owner's activities in connection with the invention for which a patent is sought or has been granted. The applicable Privacy Act System of Records Notice for the information collected in this form is COMMERCE/PAT-TM-7 Patent Application Files, available in the Federal Register at 78 FR 19243 (March 29, 2013). <https://www.govinfo.gov/content/pkg/FR-2013-03-29/pdf/2013-07341.pdf>

Routine uses of the information in this record may include disclosure to:

- 1) law enforcement, in the event that the system of records indicates a violation or potential violation of law;
- 2) a federal, state, local, or international agency, in response to its request;
- 3) a contractor of the USPTO having need for the information in order to perform a contract;
- 4) the Department of Justice for determination of whether the Freedom of Information Act (FOIA) requires disclosure of the record;
- 5) a Member of Congress submitting a request involving an individual to whom the record pertains, when the individual has requested the Member's assistance with respect to the subject matter of the record;
- 6) a court, magistrate, or administrative tribunal, in the course of presenting evidence, including disclosures to opposing counsel in the course of settlement negotiations;
- 7) the Administrator, General Services Administration (GSA), or their designee, during an inspection of records conducted by GSA under authority of 44 U.S.C. 2904 and 2906, in accordance with the GSA regulations and any other relevant (i.e., GSA or Commerce) directive, where such disclosure shall not be used to make determinations about individuals;
- 8) 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));
- 9) the Office of Personnel Management (OPM) for personnel research purposes; and
- 10) the Office of Management and Budget (OMB) for legislative coordination and clearance.

If you do not furnish the information requested on this form, the USPTO may not be able to process and/or examine your submission, which may result in termination of proceedings, abandonment of the application, and/or expiration of the patent.



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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION # 18/675,220	RECEIPT DATE / TIME 04/24/2025 08:03:21 AM Z ET	ATTORNEY DOCKET # BINDER-014-US28
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Title of Invention

SYSTEM AND METHOD FOR SERVER BASED CONTROL

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	4512	FILED BY	Dorit Binder
PATENT CENTER #	70139730	FILING DATE	05/28/2024
CUSTOMER #	131926	FIRST NAMED INVENTOR	Yehuda BINDER
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Yehuda Binder

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
ptol85b.pdf	2	Issue Fee Payment (PTO-85B)	245 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
ptol85b.pdf	CFC81E818FB0A80746AFC8A356260B3B8723CCB0AA943DA6 09AEC4B87AC52F23AF4E8041D4997E268E2EE8AE54236AB24 595C71DFA0E25B25A1FC1EED7226E47

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 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.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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NOTICE OF ALLOWANCE AND FEE(S) DUE

131926 7590 04/22/2025
May Patents Ltd. c/o Dorit Shem-Tov
P.O.B 7230
Ramat-Gan, 5217102
ISRAEL

EXAMINER

MEKY, MOUSTAFA M

ART UNIT

PAPER NUMBER

2457

DATE MAILED: 04/22/2025

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/675,220	05/28/2024	Yehuda BINDER	BINDER-014-US28	4512

TITLE OF INVENTION: SYSTEM AND METHOD FOR SERVER BASED CONTROL

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$516	\$0.00	\$0.00	\$516	07/22/2025

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 40% the amount of undiscounted fees, and micro entity fees are 20% the amount of undiscounted 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. 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 the USPTO patent electronic filing system.

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 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. **Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.**

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

131926 7590 04/22/2025
May Patents Ltd. c/o Dorit Shem-Tov
P.O.B 7230
Ramat-Gan, 5217102
ISRAEL

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 the USPTO patent electronic filing system 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.
18/675,220	05/28/2024	Yehuda BINDER	BINDER-014-US28	4512

TITLE OF INVENTION: SYSTEM AND METHOD FOR SERVER BASED CONTROL

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$516	\$0.00	\$0.00	\$516	07/22/2025

EXAMINER	ART UNIT	CLASS-SUBCLASS
MEKY, MOUSTAFA M	2457	348-077000

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/AIA/122 or PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or PTO/SB/47; Rev 03-02 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)

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

☐ Electronic Payment via the USPTO patent electronic filing system ☐ 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. _____



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/675,220	05/28/2024	Yehuda BINDER	BINDER-014-US28	4512
131926 7590 04/22/2025 May Patents Ltd. c/o Dorit Shem-Tov P.O.B 7230 Ramat-Gan, 5217102 ISRAEL			EXAMINER MEKY, MOUSTAFA M	
			ART UNIT 2457	PAPER NUMBER
DATE MAILED: 04/22/2025				

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. The United States Patent and Trademark Office (USPTO) collects the information in this record under authority of 35 U.S.C. 2. The USPTO's system of records is used to manage all applicant and owner information including name, citizenship, residence, post office address, and other information with respect to inventors and their legal representatives pertaining to the applicant's/owner's activities in connection with the invention for which a patent is sought or has been granted. The applicable Privacy Act System of Records Notice for the information collected in this form is COMMERCE/PAT-TM-7 Patent Application Files, available in the Federal Register at 78 FR 19243 (March 29, 2013).

<https://www.govinfo.gov/content/pkg/FR-2013-03-29/pdf/2013-07341.pdf>

Routine uses of the information in this record may include disclosure to:

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- 5) a Member of Congress submitting a request involving an individual to whom the record pertains, when the individual has requested the Member's assistance with respect to the subject matter of the record;
- 6) a court, magistrate, or administrative tribunal, in the course of presenting evidence, including disclosures to opposing counsel in the course of settlement negotiations;
- 7) the Administrator, General Services Administration (GSA), or their designee, during an inspection of records conducted by GSA under authority of 44 U.S.C. 2904 and 2906, in accordance with the GSA regulations and any other relevant (i.e., GSA or Commerce) directive, where such disclosure shall not be used to make determinations about individuals;
- 8) 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));
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- 10) the Office of Management and Budget (OMB) for legislative coordination and clearance.

If you do not furnish the information requested on this form, the USPTO may not be able to process and/or examine your submission, which may result in termination of proceedings, abandonment of the application, and/or expiration of the patent.

Notice of Allowability	Application No. 18/675,220	Applicant(s) BINDER et al.	
	Examiner Moustafa M Meky	Art Unit 2457	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 the approved terminal disclaimer filed 04/01/2025.
☐ 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 1-29 . 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)	5. ☐ Examiner's Amendment/Comment
2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.	6. ☒ Examiner's Statement of Reasons for Allowance
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.	7. ☐ Other _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. _____.	

/MOUSTAFA M MEKY/ Primary Examiner, Art Unit 2457	
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Notice of Pre-AIA or AIA Status

The present application is being examined under the pre-AIA first to invent provisions.

Detailed Action

1. Claims 1-29 are allowable in view of the prior art of record.

Reasons for Allowance

2. The following is an examiner's statement of reasons for allowance: None of the prior art of record taken singularly or in combination teaches or suggests a client device for use with a Wireless Local Area Network (WLAN) in a building and with a controlled device that comprises a second actuator in the building, the client device comprising: a WLAN transceiver for communicating over the WLAN; a microphone for capturing first and second human voice data; and a first actuator in the client device, wherein the client device is configured to:

sending, over the Internet via the WLAN, the captured first and second human voice data to an Internet-connected server device external to the building;

receiving, from the server device over the Internet via the WLAN, first and second messages, in response to the sending of the captured first and second human voice data;

operating the first actuator in response to the received first message; and

sending, to the controlled device over the WLAN, a control message in response to the received second message, and wherein the client device is addressable in the WLAN and in the Internet using an Internet Protocol (IP) address.

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."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Moustafa M Meky whose telephone number is (571)272-4005. The examiner can normally be reached Monday-Friday 9AM-5PM.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 571-272-4001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of published or unpublished applications may be obtained from Patent Center. Unpublished application information in Patent Center is available to registered users. To file and manage patent submissions in Patent Center, visit: <https://patentcenter.uspto.gov>. Visit <https://www.uspto.gov/patents/apply/patent-center> for more information about Patent Center and <https://www.uspto.gov/patents/docx> for information about filing in DOCX format. For additional questions, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/MOUSTAF A M MEKY/
Primary Examiner, Art Unit 2457

04/16/2025

<i>Search Notes</i> 	Application/Control No. 18/675,220	Applicant(s)/Patent Under Reexamination BINDER et al.
	Examiner Moustafa M Meky	Art Unit 2457

CPC - Searched*		
Symbol	Date	Examiner
H04L 67/12	03/14/2025	MMM
B60Y 2200/11, 2200/12, 2200/13, 2200/30, 2200/40, 2200/50, 2200/90	03/14/2025	MMM

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner
709	200	03/14/2025	MMM

* 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
WEST SEARCH ATTACH	03/16/2025	MMM
GOOGLE PATENTS ATTACH	03/16/2025	MMM
GOOGLE NPL ATTACH	03/16/2025	MMM
WEST SEARCH ATTACH	04/16/2025	MMM
GOOGLE PATENTS ATTACH	04/16/2025	MMM
GOOFGLE NPL ATTACH	04/16/2025	MMM

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<i>Search Notes</i> 	Application/Control No. 18/675,220	Applicant(s)/Patent Under Reexamination BINDER et al.
	Examiner Moustafa M Meky	Art Unit 2457

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
H04L	67/12	04/16/2025	MMM
B60Y	2200/11, 2200/12, 2200/13, 2200/30, 2200/40, 2200/50, 2200/90	04/16/2025	MMM

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Issue Classification 	Application/Control No. 18/675,220	Applicant(s)/Patent Under Reexamination BINDER et al.
	Examiner Moustafa M Meky	Art Unit 2457

CPC						
Symbol					Type	Version
H04L	/	67	/	12	F	2013-01-01
G07C	/	3	/	02	I	2013-01-01
Y04S	/	40	/	18	A	2018-05-01
B60K	/	31	/	00	A	2013-01-01
B60K	/	31	/	18	A	2013-01-01
B60Y	/	2200	/	11	A	2013-01-01
B60Y	/	2200	/	12	A	2013-01-01
B60Y	/	2200	/	126	A	2013-01-01
B60Y	/	2200	/	13	A	2013-01-01
B60Y	/	2200	/	30	A	2013-01-01
B60Y	/	2200	/	40	A	2013-01-01
B60Y	/	2200	/	50	A	2013-01-01
B60Y	/	2200	/	90	A	2013-01-01
G06Q	/	2240	/	00	A	2013-01-01
G07C	/	5	/	008	A	2013-01-01
G08G	/	1	/	00	A	2013-01-01

CPC Combination Sets					
Symbol		Type	Set	Ranking	Version
	/				

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	29	
/MOUSTAFA M MEKY/ Primary Examiner, Art Unit 2457	16 April 2025	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	19

U.S. Patent and Trademark Office

Part of Paper No.: 20250416

Issue Classification 	Application/Control No. 18/675,220	Applicant(s)/Patent Under Reexamination BINDER et al.
	Examiner Moustafa M Meky	Art Unit 2457

INTERNATIONAL CLASSIFICATION			
CLAIMED			
G06F		15	16
NON-CLAIMED			

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS
709	200

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

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	29	
/MOUSTAFA M MEKY/ Primary Examiner, Art Unit 2457	16 April 2025	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	19

U.S. Patent and Trademark Office

Part of Paper No.: 20250416

Issue Classification 	Application/Control No. 18/675,220	Applicant(s)/Patent Under Reexamination BINDER et al.
	Examiner Moustafa M Meky	Art Unit 2457

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

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 29	
/MOUSTAFA M MEKY/ Primary Examiner, Art Unit 2457 (Primary Examiner) _____ (Date) _____		O.G. Print Claim(s) 1	O.G. Print Figure 19

Patents

microphone and actuator and operated and server and (voice or talking)



microphone and actuator and operated server and (voice or talking);

About 52,437 results

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In-Ear loudspeaker mixed audio transparent systemUS CN • [CN106688280B](#) • [B-07 20170519](#) • [20170519](#) • 华为公司

Priority 2016-01-19 • Filed 2017-01-18 • Granted 2019-10-18 • Published 2019-10-18

Entitled "in-Ear loudspeaker mixed audio transparent system" of the invention. When in-Ear speaker seal ear canal is isolated with ambient sound leakage, user content audio signal is converted into the sound being sent in the ear canal of the wearer of in-Ear loudspeaker. Acoustics or gas valve in ...

Vibrational devices as sound sensorsUS • [US10662443B2](#) • Romit Roy Choudhury • Board Of Trustees Of The University Of Illinois

Priority 2017-05-17 • Filed 2018-05-16 • Granted 2020-04-21 • Published 2020-04-21

A device includes a coil and magnetic mass movable next to the coil in response to vibrations to generate a back electromotive force signal. An amplifier generates, from the back EMF signal, a vibration signal. A processing device converts the vibration signal to time-frequency domain signal as ...

Removing noise from audioWO US • [US2012029262](#) • Jerrald Leichter • Google Inc.

Priority 2010-06-30 • Filed 2011-09-30 • Granted 2012-09-11 • Published 2012-09-11

The subject matter of this specification can be embodied in, among other things, a computer-implemented method for removing noise from audio that includes building a sound model that represents noises which result from activations of input controls of a computer device. The method further includes ...

Method and system for avoiding howling disturbance on conferencesWO EP US • [US1152505B2](#) • Alexander Lopez Morera • Unity Patents GmbH & Co. KG

Priority 2019-07-25 • Filed 2019-07-25 • Granted 2023-04-11 • Published 2023-04-11

Method and System for avoiding howling disturbance especially on conferences, wherein the method comprising the steps of using a howling detector unit implemented inside a multipoint control unit to receive an audio stream input from a client, analyzing the audio input with the howling detector in ...

Hearing auxiliary with automatic speech transcriptionWO US CN • [CN108792860A](#) • 上海爱声电子科技有限公司

Priority 2016-02-19 • Filed 2017-02-09 • Published 2018-10-23

Assisting hearing equipment described herein realizes the hearing impaired user for carrying out ancillary equipment in the following manner: The text for the voice for indicating to be received in audio signal is generated using automatic speech transcription, then synthesis speech that text can ...

Multiple-source speech dialog inputUS • [US9732261B1](#) • Shree Balaram • Amazon Technologies, Inc.

Priority 2014-12-11 • Filed 2014-12-11 • Granted 2017-08-17 • Published 2017-08-17

A speech system may be configured to operate in conjunction with a stationary base device and a handheld remote device to receive voice commands from a user. A user may direct speech either to the base device or to the handheld device. In order to direct speech to the base device, the user first ...

Electronic accessory incorporating dynamic user-controlled audio muting ...WO US • [US1103267B2](#) • Juha YLÖNEN • AINA Wireless Finland Oy

Priority 2016-06-23 • Filed 2017-06-12 • Granted 2021-06-08 • Published 2021-06-08

Electronic accessory device capable of dynamically muting the microphone and/or speaker responsive to predefined user control input, and a communications terminal at least functionally connected to the accessory for the transfer of audio signals and related signaling. Related methods for execution ...

Methods and apparatus for autonomously managing communications using an ...US • [US8121653B2](#) • Stefan Johansson Walter Muri • Massachusetts Institute Of Technology

Priority 2005-11-19 • Filed 2006-11-18 • Granted 2012-02-21 • Published 2012-02-21

Apparatus for handling an incoming telephone call including a call processor coupled to a wired or wireless telephone network for receiving an incoming telephone call directed to a called person, a conversation detector for determining whether a conversation is currently taking place between said ...

Information processing system and recording medium



WO 2014/011161 A1 • 2013.08.26 • 2014.01.16

Priority 2012-07-13 • Filed 2013-04-19 • Published 2014-01-16

[Problem] To provide an information processing system and a recording medium in which the space around a user can be mutually linked to other spaces. [Solution] An information processing system provided with: a recognition unit for recognizing a predetermined subject on the basis of signals ...

Ear-borne audio device conversation recording and compressed data transmission



US • 10,510,612 B2 • Kinuko Masaki • Smartest, Inc

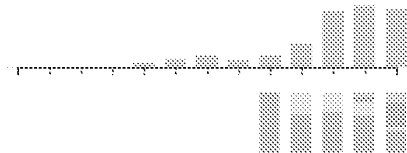
Priority 2017-05-18 • Filed 2018-05-17 • Granted 2019-09-10 • Published 2019-09-10

An embodiment of the invention provides a wireless ear-borne audio device that may be configured in a variety of ways, including, but in no way limited to a device for recording audio information and storing the audio information for later replay, and/or forwarding the audio information to another ...

Next > >>

About 52,437 results

Top 1000 results by filing date



Relative count of top 5 values

Assignees	Inventors	CPCs
Apple Inc.		
이동통신		
華強公司		
Motorola Mobility LLC		
Stryker Corporation		
Expand		

Related landscapes

Engineering & Computer Science

Physics & Mathematics

General Physics & Mathematics



microphone and actuator and operatec



All

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Amazon.com

<https://www.amazon.com> > Portable-Microphone-Supp...

Ultra Portable Voice Amplifier Microphone and Speaker ...

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People also ask

What are the three types of microphone and their functions?



What type of microphone is best for voice over?



What is the difference between voice lift and voice reinforcement?



What is the main difference between a condenser microphone and a dynamic microphone?

[Feedback](#)

Shure

<https://www.shure.com> > en-US > applications > voice-l...

Voice Lift and Sound Reinforcement

A **voice** lift or **sound** reinforcement system enables every participant to hear whoever is **talking**, just as if they were near them – without the need to carry ...

Missing: actuator operated server



DPA Microphones

<https://www.dpamicrophones.com> > mic-university > h...

How to mic the voice - technology and characteristics

This guide will inform you how to ensure optimal **voice** miking. We address **microphone** technology and characteristics, **vocal microphones** in practice and more.



JustAskJimVO -

<https://justaskjimvo.studio/microphones>

Microphones for Voiceover

Large diaphragm condenser microphones and specific shotgun microphones are generally the go-to choices for home voiceover recording studios.



Pro Acoustics USA

<https://www.proacousticsusa.com/push-to-talk-microph...>

Push To Talk Microphones

The Pure Resonance Audio PTT1 desktop push-to-talk microphone **provides excellent performance and reliability**, ideal for paging, announcements, general public ...

Free delivery · 30-day returns



Audio-Technica

<https://www.audio-technica.com/en-ca/support/a-b...>

A Brief Guide to Microphones - What a Microphone Does

The **microphone** is a transducer – in other words, an energy converter. It senses **acoustic** energy (**sound**) and translates it into equivalent electrical energy.



YouTube · James Younger

5.9K+ views · 11 months ago

TOP 10 MICROPHONES FOR VOICE OVER



16:34

BEST MICROPHONE FOR VOICE OVER (2024). James Younger · 14K views · 16:29 ... Microphone comparison AKG C414 VS Sennheiser MKH 416 (Voice Over).

14 key moments in this video

Missing: actuator operated server



Jonny Elwyn

<https://jonnyelwyn.co.uk/podcast>

What is the Best Microphone for Recording Voice Over?

As a film editor I sometimes have to record Voice Over for use in my projects. **Here's how I chose the right microphone** for recording quality voice over on a ...

Missing: actuator server



Wikipedia

<https://en.wikipedia.org/wiki/Microphone>

Microphone

A microphone, colloquially called a mic or mike, is a transducer that **converts sound into an electrical signal**. Microphones are used in many applications ...

Electret microphone · Ribbon microphone · Wireless microphone · Microphone array

Missing: ~~server~~ | Show results with: ~~server~~



Quora

6 answers · 7 years ago

What is the difference between a microphone for speech ...

In general if you want the best recording of a **voice** possible, whether **talking** or singing, a large diaphragm condenser **mic** is the way to go.

6 answers · Top answer: Not much. In general if you want the best recording of a voice possible, whethe...

What is the difference between a **vocal microphone** and ... 2 answers Dec 12, 2023

Can **speaking** into a **microphone** or headset improve ... 1 answer Nov 22, 2022

More results from www.quora.com

Missing: ~~actuator~~ ~~server~~

People also search for :

Voice **lift** vs sound reinforcement



push-to-talk microphone **wireless**



Best microphone and actuator and operated and server and voice or...



push-to-talk conference microphone **system**



What is voice **lift**



USB Push to Talk Microphone



Push-to talk Microphone for **PC**



Shure push-to-talk microphone



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78259, San Antonio, TX - Based on your past activity - Update location

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PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	35	"11128710"	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/14 04:10 PM
L2	108015	first adj3 (voice OR audio OR mircophone)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 03:53 PM
L3	99376	second adj3 (voice OR audio OR mircophone)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 03:53 PM
L4	48703	L2 WITH L3	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 03:53 PM
L5	306	L4 WITH actuator	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 03:53 PM
L6	9	L5 WITH internet	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 03:54 PM
L7	9	L5 WITH (internet OR WAN)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 03:54 PM
L8	48777	(H04L67/12,B60Y2200/11,B60Y2200/12,B60Y2200/13,B60Y2200/30,B60Y2200/40,B60Y2200/50,B60Y2200/90) .CPC.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 03:59 PM
L9	48010	first adj1 actuator	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 03:59 PM
L10	141	L8 AND L9	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 03:59 PM
L11	52611	second adj1 actuator	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 04:00 PM
L12	123	L10 AND L11	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 04:00 PM
L13	66	L12 AND (microphone OR voice OR audio)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 04:00 PM
L14	62	L13 AND (WAN OR internet)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 04:01 PM
L15	57	L14 NOT L6	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 04:01 PM
L16	324977	microphone near3 (voice OR audio OR talk\$4)	(US-PGPUB; USPAT)	OR	ON	ON	2025/04/16 03:00 PM
L17	252839	actuator near3 (operat\$4 OR run\$4)	(US-PGPUB; USPAT)	OR	ON	ON	2025/04/16 03:01 PM
L18	118	L16 WITH L17	(US-PGPUB; USPAT)	OR	ON	ON	2025/04/16 03:01 PM
L19	54	L18 WITH server	(US-PGPUB; USPAT)	OR	ON	ON	2025/04/16 03:01 PM

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.



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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
18/675,220

RECEIPT DATE / TIME
04/07/2025 02:49:17 PM Z ET

ATTORNEY DOCKET #
BINDER-014-US28

Title of Invention

SYSTEM AND METHOD FOR SERVER BASED CONTROL

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 4512

FILED BY Dorit Binder

PATENT CENTER # 69897422

FILING DATE 05/28/2024

CUSTOMER # 131926

FIRST NAMED INVENTOR Yehuda BINDER

CORRESPONDENCE ADDRESS -

AUTHORIZED BY Yehuda Binder

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
40AB-Response-to-Office-Action.pdf	3	Amendment/Request for Reconsideration-After Non-Final Rejection	31 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
40AB-Response-to-Office-Action.pdf	4AFD6E3E2AEB194E3C4853F89E7BD25B4EE1E7742C2378EE C3DDC3FC303A3F649E6106AF766B9421659D78704042397EB 5322F23FBD98A40A9419075CDE43775

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for 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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTY.'S DOCKET: BINDER-014-US26

In re Application of:	)	Confirmation No. 4512
	)	
Yehuda BINDER	)	Art Unit: 2457
	)	
Appln. No.: 18/675,220	)	Examiner: MOUSTAFA M MEKY
	)	
Filed: May 28, 2024	)	Washington, D.C.
	)	
For: System and method for		
Server-based control	)	April 7, 2025
	)	

RESPONSE / AMENDMENT:

Honorable Commissioner for Patents
U.S. Patent and Trademark Office
Randolph Building,
Mail Stop Amendments
401 Dulany Street
Alexandria, VA 22314

Sir:

In response to the Office Action of March 20, 2025

("Action"):

Remarks/Arguments begin on page 2 of this paper.

Appln. No. 18/675,220

Reply to Non-Final Office Action of March 20, 2025

REMARKS / ARGUMENTS

The examiner's action dated March 20, 2025 ("Action") has been received and its contents carefully noted.

An e-TD was filed to overcome the Double Patenting rejection.

The absence of a reply to a specific rejection, issue, or comment, does not signify agreement with that rejection, issue, or comment. In addition, because the arguments made above may not be exhaustive, there may be reasons for patentability of any or all pending claims that have not been expressed.

Nothing in this reply should be understood as conceding any issue with regard to any claim, except as specifically stated in this reply, and the amendment of any claims does not necessarily signify concession of unpatentability to the claim before its amendment.

In view of the foregoing, it is requested that all of the rejections be reconsidered and withdrawn and that the claims be considered allowable.

If the above arguments should not now place the application in the condition for allowance, the examiner is invited to call undersigned counsel to resolve any remaining issues.

Respectfully submitted,

By /Yehuda Binder/
Yehuda Binder
Registration No. 73,612

Tel: -781-747-6018
Fax: +972-9-7442619
Email: yehuda@maypatents.com



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ELECTRONIC PAYMENT RECEIPT

APPLICATION # 18/675,220	RECEIPT DATE / TIME 04/01/2025 03:58:12 AM Z ET	ATTORNEY DOCKET # BINDER-014-US28
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Title of Invention

SYSTEM AND METHOD FOR SERVER BASED CONTROL

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	4512	FILED BY	Yehuda Binder
PATENT CENTER #	69743306	AUTHORIZED BY	Yehuda Binder
CUSTOMER #	131926	FILING DATE	05/28/2024
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Yehuda BINDER

Payment Information

PAYMENT METHOD DA / 506726	PAYMENT TRANSACTION ID E202541458246503	PAYMENT AUTHORIZED BY Yehuda Binder
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FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
2814	STATUTORY DISCLAIMER, INCLUDING TERMINAL DISCLAIMER	183.00	1	183.00
TOTAL AMOUNT:				\$183.00

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New Applications Under 35 U.S.C. 111

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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

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TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A PRIOR PATENT

APPLICATION #
18675220

FILING DATE
05/28/2024

FIRST NAMED INVENTOR
Yehuda BINDER

ATTORNEY DOCKET #
BINDER-014-US28

Title of Invention

SYSTEM AND METHOD FOR SERVER BASED CONTROL



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
MAY PATENTS LTD.	100%
Total	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)

Application #	Filing Date
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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.

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 prior patent number(s)

Patent #
12010174
11128710

as the term of said prior patent is presently shortened by any terminal disclaimer. 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 the prior patent 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 the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the prior patent, "as the term of said prior patent is presently shortened by any terminal disclaimer," in the event that said prior patent later:

- 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 presently shortened by any terminal disclaimer.



Terminal disclaimer fee under 37 CFR 1.20(d) included with Electronic Terminal Disclaimer request.

Applicant claims the following entity status:

Small

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.

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

Signature	Name	Registration #
/Yehuda Binder/	Yehuda Binder	73612

* 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.



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APPROVAL LETTER

APPLICATION #	FILING DATE	APPLICANT/PATENT UNDER REEXAMINATION
18/675,220	05/28/2024	Yehuda BINDER

Title of Invention

SYSTEM AND METHOD FOR SERVER BASED CONTROL

Electronic terminal disclaimer filed on 04/01/2025

Approved

This patent is subject to a Terminal Disclaimer

Approved / Disapproved by: Electronic Terminal Disclaimer automatically approved



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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
18/675,220

RECEIPT DATE / TIME
04/01/2025 03:58:12 AM Z ET

ATTORNEY DOCKET #
BINDER-014-US28

Title of Invention

SYSTEM AND METHOD FOR SERVER BASED CONTROL

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	4512	FILED BY	Yehuda Binder
PATENT CENTER #	69743306	FILING DATE	05/28/2024
CUSTOMER #	131926	FIRST NAMED INVENTOR	Yehuda BINDER
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Yehuda Binder

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
petition-request.pdf	3	Terminal Disclaimer-Filed (Electronic)	44 KB
grantLetter.pdf	1	Terminal Disclaimer-Electronic- Approved	18 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
petition-request.pdf	96780E8745270A1B8EEC00801BB9AA944A8D73DB44A6C333F 34C53B617AD96F062E49F4B9B309DEEC8620CC6D9B34C52C 1EED5767984E628F2B62A1FBCA50218
grantLetter.pdf	6D7FA29AEC39682F065138C5E098FA741A71DBD39BF4B1860

0B9C8E7EA7F1F4ABFE7E6B99DA1BCBF1AD7E1C346B377537
50901382307984743D0E2900E39E481

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for 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.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/675,220	05/28/2024	Yehuda BINDER	BINDER-014-US28	4512
131926	7590	03/20/2025	EXAMINER	
May Patents Ltd. c/o Dorit Shem-Tov			MEKY, MOUSTAFA M	
P.O.B 7230				
Ramat-Gan, 5217102				
ISRAEL			ART UNIT	PAPER NUMBER
			2457	
			NOTIFICATION DATE	DELIVERY MODE
			03/20/2025	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):

dorit.shemtov@gmail.com
uspto.may.patents@gmail.com
ybybyb1@gmail.com

Continuation of Attachment(s) 2) Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date: 05/28/2024 [15 entries} & 09/24/2024 & 12/26/2024 {2 entries} & 02/12/2025

Notice of Pre-AIA or AIA Status

The present application is being examined under the pre-AIA first to invent provisions.

Detailed Action

1. Claims 1-29 are presenting for examination.

Non-statutory double patenting rejection

2. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the “right to exclude” granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on nonstatutory double patenting provided the reference application or patent either is shown to be commonly owned with the examined application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement. See MPEP § 717.02 for applications subject to examination under the first inventor to file provisions of the AIA as explained in MPEP § 2159. See MPEP § 2146 *et seq.* for applications not subject to examination under the first inventor to file provisions of the AIA. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

The filing of a terminal disclaimer by itself is not a complete reply to a nonstatutory double patenting (NSDP) rejection. A complete reply requires that the terminal disclaimer be accompanied by a reply requesting reconsideration of the prior Office action. Even where the NSDP rejection is provisional the reply must be complete. See MPEP § 804, subsection I.B.1. For a reply to a non-final Office action, see 37 CFR 1.111(a). For a reply to final Office action, see 37 CFR 1.113(c). A request for reconsideration while not provided for in 37 CFR 1.113(c) may be filed after final for consideration. See MPEP §§ 706.07(e) and 714.13.

The USPTO Internet website contains terminal disclaimer forms which may be used. Please visit www.uspto.gov/patent/patents-forms. The actual filing date of the application in which the form is filed determines what form (e.g., PTO/SB/25, PTO/SB/26, PTO/AIA/25, or PTO/AIA/26) should be used. A web-based eTerminal Disclaimer may be filled out completely online using web-screens. An eTerminal Disclaimer that meets all requirements is auto-processed and approved immediately upon submission. For more information about eTerminal Disclaimers, refer to www.uspto.gov/patents/apply/applying-online/eterminal-disclaimer.

3. Claims 1-19 are rejected on the ground of non-statutory double patenting as being unpatentable over claims 1-29 of U.S. Patent No. 12,010,174 & claims 1-20 of U.S. Patent No. 11,128,710. Although the claims at issue are not identical, they are not patentably distinct from each other because both the patents 174 & 710 anticipates the claimed invention as been shown in the table below

18/675,220	12,010,174	11,128,710
1. A client device for use with a Wireless Local Area Network (WLAN) in a building	1. A system for operating multiple actuators in response to captured human	1. A method for operating multiple actuators in response to captured human

and with a controlled device that comprises a second actuator in the building, the client device comprising: a WLAN transceiver for communicating over the WLAN; a microphone for capturing first and second human voice data; and a first actuator in the client device, wherein the client device is configured to: sending, over the Internet via the WLAN, the captured first and second human voice data to an Internet-connected server device external to the building; receiving, from the server device over the Internet via the WLAN, first and second messages, in response to the sending of the captured first and second human voice data;	voice data, for use with a wireless network in a building and with a controlled device that comprises a second actuator in the building, the system comprising: an Internet-connected server device external to the building configured for processing first and second human voice data, and to produce first and second messages respectively in response to the processing; a client device in the building configured to communicate with the controlled device and with the server device over the wireless network; a microphone in the client device for capturing the first and second human voice data; and a first actuator in the client device, wherein the system is operative for	voice data, for use with a client device and a controlled device in a building, each communicating over a wireless network, and for use with an Internet-connected server device external to the building, the method comprising: capturing, by a microphone in the client device, a first human voice data; sending to the server, by the client device via the wireless network, the captured first human voice data; receiving, by the server over the Internet, the captured first human voice data; processing, by the server, the captured first human voice data; responsive to the processing, sending a first message, by the server to the client device over the Internet; receiving,
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operating the first actuator in response to the received first message; and sending, to the controlled device over the WLAN, a control message in response to the received second message, and wherein the client device is addressable in the WLAN and in the Internet using an Internet Protocol (IP) address.	sending to the server by the client device via the wireless network, the captured first and second human voice data, and wherein the system is further operative for receiving from the server the first and second messages in response to the sending, to operate the first actuator in the client device in response to the received first message, and to operate the second actuator in the controlled device in response to the received second message.	by the client device via the wireless network, the first message; operating a first actuator in the client device in response to the received first message; capturing, by the microphone in the client device, a second human voice data; sending to the server, by the client device via the wireless network, the captured second human voice data; receiving, by the server over the Internet, the captured second human voice data; processing, by the server, the captured second human voice data; responsive to the processing, sending a second message, by the server to the controlled device over the Internet; receiving, by the controlled device via the wireless network, the second
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		message; and operating a second actuator in the controlled device in response to the received second message.
2. The client device according to claim 1, wherein the server device is configured for processing the first and second human voice data using a voice recognition algorithm for identifying a voice of a specific person.	2. The system according to claim 1, wherein the processing comprises performing a voice recognition algorithm for identifying the voice of a specific person.	2. The method according to claim 1, wherein the processing comprises performing a voice recognition algorithm for identifying the voice of a specific person.
3. The client device according to claim 1, further comprising a sensor that outputs sensor data that responds to a physical phenomenon, wherein the client device is further configured for sending to the server device, via the WLAN over the Internet, the	3. The system according to claim 1, wherein the client device further comprises a sensor that outputs sensor data that responds to a physical phenomenon, wherein the system is further configured for sending to the server, by the client device via the wireless network, the sensor data, and wherein the	3. The method according to claim 1, wherein the client device further comprises a sensor that outputs sensor data that responds to a physical phenomenon, wherein the method further comprising sending to the server, by the client device via the wireless network, the sensor data, and wherein the

30 sensor data, and wherein the first message is received in response to the sent sensor data	first message is sent by the server in response to the sensor data.	first message is sent by the server in response to the sensor data
4. The client device according to claim 3, wherein the sensor is a thermoelectric sensor that responds to a temperature or to a temperature gradient of an object using conduction, convection, or radiation, or wherein the sensor is a photoelectric sensor 5 that responds to a visible or an invisible light or gamma rays.	4. The system according to claim 3, wherein the sensor is a thermoelectric sensor that responds to a temperature or to a temperature gradient of an object using conduction, convection, or radiation, or wherein the sensor is a photoelectric sensor that responds to a visible or an invisible light or gamma rays.	4. The method according to claim 3, wherein the sensor is a thermoelectric sensor that responds to a temperature or to a temperature gradient of an object using conduction, convection, or radiation, or wherein the sensor is a photoelectric sensor that responds to a visible or an invisible light or gamma rays.
5. The client device according to claim 1, wherein each of the first and second actuators is configured for directly or indirectly affecting, changing, producing, or creating a physical phenomenon.	5. The system according to claim 1, wherein each of the first and second actuators is configured for directly or indirectly affecting, changing, producing, or creating a physical phenomenon.	5. The method according to claim 1, wherein each of the first and second actuators is configured for directly or indirectly affecting, changing, producing, or creating a physical phenomenon.

6. The client device according to claim 5, wherein the physical phenomenon comprises temperature, humidity, pressure, audio, vibration, light, motion, sound, proximity, flow rate, electrical voltage, or electrical current.	6. The system according to claim 5, wherein the physical phenomenon comprises temperature, humidity, pressure, audio, vibration, light, motion, sound, proximity, flow rate, electrical voltage, or electrical current.	6. The method according to claim 5, wherein the physical phenomenon comprises temperature, humidity, pressure, audio, vibration, light, motion, sound, proximity, flow rate, electrical voltage, or electrical current.
7. The client device according to claim 1, wherein the client device comprises multiple microphones, and wherein the capturing comprises capturing, by the multiple microphones in the client device, the first and second human voice data.	7. The system according to claim 1, wherein the client device comprises multiple microphones, and wherein the capturing comprises capturing, by the multiple microphones in the client device, the human voice data.	7. The method according to claim 1, wherein the client device comprises multiple microphones, and wherein the capturing comprises capturing, by the multiple microphones in the client device, the human voice data.
8. The client device according to claim 7, wherein the multiple microphones are arranged as a directional microphones array operative to estimate a number, magnitude,	8. The system according to claim 7, wherein the multiple microphones are arranged as a directional microphones array operative to estimate a number, magnitude, frequency, Direction-Of-	8. The method according to claim 7, wherein the multiple microphones are arranged as a directional microphones array operative to estimate a number, magnitude, frequency, Direction-Of-

frequency, Direction- Of- Arrival (DOA), distance, or speed of a phenomenon impinging the microphones array.	Arrival (DOA), distance, or speed of a phenomenon impinging the microphones array.	Arrival (DOA), distance, or speed of a phenomenon impinging the microphones array.
9. The client device according to claim 1, wherein the microphone is an omnidirectional, unidirectional, or bidirectional microphone that is based on the sensing an incident sound-based motion of a diaphragm or a ribbon, or wherein the microphone comprises a condenser, an electret, a dynamic, a ribbon, a carbon, or a piezoelectric microphone.	9. The system according to claim 1, wherein the microphone is an omnidirectional, unidirectional, or bidirectional microphone that is based on the sensing an incident sound-based motion of a diaphragm or a ribbon, or wherein the microphone comprises a condenser, an electret, a dynamic, a ribbon, a carbon, or a piezoelectric microphone.	9. The method according to claim 1, wherein the microphone is an omnidirectional, unidirectional, or bidirectional microphone that is based on the sensing an incident sound-based motion of a diaphragm or a ribbon, or wherein the microphone comprises a condenser, an electret, a dynamic, a ribbon, a carbon, or a piezoelectric microphone.
10. The client device according to claim 1, further comprising a volatile or non- volatile memory for storing the IP address.	10. The system according to claim 1, wherein the client device is addressable in the wireless network or the Internet using an address stored in a volatile or non-	10. The method according to claim 1, wherein the client device or the controlled device are addressable in the wireless network or the Internet using an address

	volatile memory for uniquely identifying the respective device in the network.	stored in a volatile or non-volatile memory of the respective device for uniquely identifying the respective device in the network.
11. The client device according to claim 1, wherein the client device is further addressed by a Media Access Control (MAC) layer address that is MAC-48, Extended Unique Identifier (EUI) EUI-48, or EUI-64 address type	11. The system according to claim 10, wherein the address is a Media Access Control (MAC) layer address that is MAC-48, Extended Unique Identifier (EUI) EUI-48, or EUI-64 address type or wherein the address is a layer 3 address and is static or dynamic Internet Protocol (IP) address that is IPv4 or IPv6 type address.	11. The method according to claim 10, wherein the address is a Media Access Control (MAC) layer address that is MAC-48, Extended Unique Identifier (EUI) EUI-48, or EUI-64 address type or wherein the address is a layer 3 address and is static or dynamic Internet Protocol (IP) address that is IPv4 or IPv6 type address.
12. The client device according to claim 1, wherein the IP address is a static or dynamic Internet Protocol (IP) address that is IPv4 or IPv6 type address.	12. The system according to claim 1, wherein the wireless network is a Wireless Personal Area Network (WPAN), that is according to, or based on, Bluetooth™ or Institute of Electrical and	12. The method according to claim 1, wherein the wireless network is a Wireless Personal Area Network (WPAN), that is according to, or based on, Bluetooth™ or Institute of Electrical and

	Electronics Engineers (IEEE) 802.15.1-2005 standards, or wherein the WPAN is a wireless control network that is according to, or based on, Zigbee™, IEEE 802.15.4-2003, or Z-Wave™ standards.	Electronics Engineers (IEEE) 802.15.1-2005 standards, or wherein the WPAN is a wireless control network that is according to, or based on, Zigbee™, IEEE 802.15.4-2003, or Z-Wave™ standards.
13. The client device according to claim 1, wherein the WLAN is according to, or base on, Institute of Electrical and Electronics 10 Engineers (IFBEE) 802.11-2012, IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, or IERE 802.11ac.	13. The system according to claim 1, wherein the wireless network is a Wireless Local Area Network (WLAN) that is according to, or base on, IEEE 802.11-2012, IEEE 802.11a, IEEE 802.11b, Institute of Electrical and Electronics Engineers (IEEE) IEEE 802.11g, IEEE 802.11n, or IEEE 802.11ac.	13. The method according to claim 1, wherein the wireless network is a Wireless Local Area Network (WLAN) that is according to, or base on, IEEE 802.11-2012, IEEE 802.11a, IEEE 802.11b, Institute of Electrical and Electronics Engineers (IEEE) IEEE 802.11g, IEEE 802.11n, or IEEE 802.11ac.
14. The client device according to claim 1, wherein the WLAN uses an unlicensed radio frequency band that is an Industrial,	14. The system according to claim 1, wherein the wireless network uses a wireless communication over a licensed or an unlicensed radio frequency band, that is	14. The method according to claim 1, wherein the wireless network uses a wireless communication over a licensed or an unlicensed radio frequency band, that is

Scientific and Medical (ISM) radio band.	an Industrial, Scientific and Medical (ISM) radio band.	an Industrial, Scientific and Medical (ISM) radio band.
15. The client device according to claim 1, further configured for communicating over a cellular telephone network that is a Third Generation (3G) network that uses Universal Mobile Telecommunications Client device (UMTS), Wideband Code Division Multiple Access (W-CDMA) UMTS, High Speed Packet Access (HSPA), UMTS Time-Division Duplexing (TDD), CDMA2000 1xRTT, Evolution - Data Optimized (EV-DO), or a Global Client device for Mobile communications (GSM), Enhanced Data rates for GSM Evolution (EDGE) EDGE-Evolution, or wherein the cellular telephone network is a Fourth	15. The system according to claim 1, wherein the wireless network is a cellular telephone network that is a Third Generation (3G) network that uses Universal Mobile Telecommunications System (UMTS), Wideband Code Division Multiple Access (W-CDMA) UMTS, High Speed Packet Access (HSPA), UMTS Time-Division Duplexing (TDD), CDMA2000 1xRTT, Evolution-Data Optimized (EV-DO), or Global System for Mobile communications (GSM), Enhanced Data rates for GSM Evolution (EDGE) EDGE-Evolution, or wherein the cellular telephone network is a Fourth Generation (4G) network that	15. The method according to claim 1, wherein the wireless network is a cellular telephone network that is a Third Generation (3G) network that uses Universal Mobile Telecommunications System (UMTS), Wideband Code Division Multiple Access (W-CDMA) UMTS, High Speed Packet Access (HSPA), UMTS Time-Division Duplexing (TDD), CDMA2000 1xRTT, Evolution-Data Optimized (EV-DO), or Global System for Mobile communications (GSM), Enhanced Data rates for GSM Evolution (EDGE) EDGE-Evolution, or wherein the cellular telephone network is a Fourth Generation (4G) network that

Generation (4G) network that uses Evolved High Speed 25 Packet Access (HSPA+), Mobile Worldwide Interoperability for Microwave Access (WiMAX), Long-Term Evolution (LTE), LTE-Advanced, Mobile Broadband Wireless Access (MBWA), or is based on IEEE 802.20-2008.	uses Evolved High Speed Packet Access (HSPA+), Mobile Worldwide Interoperability for Microwave Access (WiMAX), Long-Term Evolution (LTE), LTE-Advanced, Mobile Broadband Wireless Access (MBWA), or is based on IEEE 802.20-2008.	uses Evolved High Speed Packet Access (HSPA+), Mobile Worldwide Interoperability for Microwave Access (WiMAX), Long-Term Evolution (LTE), LTE-Advanced, Mobile Broadband Wireless Access (MBWA), or is based on IEEE 802.20-2008.
16. The client device according to claim 1, wherein the controlled 30 device is integrated in, is part of, or is entirely included in, a household appliance having a primary function.	16. The system according to claim 1, wherein the controlled device is integrated in, is part of, or is entirely included in, a household appliance having a primary function.	16. The method according to claim 1, wherein the controlled device is integrated in, is part of, or is entirely included in, an appliance.
17. The client device according to claim 16, wherein the primary functionality of the appliance is associated with a food storage, handling, or preparation.	17. The system according to claim 16, wherein the primary functionality of the appliance is associated with food storage, handling, or preparation.	17. The method according to claim 16, wherein the primary functionality of the appliance is associated with food storage, handling, or preparation.

18. The client device according to claim 17, wherein the primary function of the appliance is heating food, and wherein the appliance is a microwave oven, an electric mixer, a stove, an oven, or an induction cooker.	18. The system according to claim 17, wherein the primary function of the appliance is heating food, and wherein the appliance is a microwave oven, an electric mixer, a stove, an oven, or an induction cooker.	18. The method according to claim 17, wherein the primary function of the appliance is heating food, and wherein the appliance is a microwave oven, an electric mixer, a stove, an oven, or an induction cooker.
19. The client device according to claim 17, wherein the appliance is a refrigerator, a freezer, a food processor, a dishwasher, a food blender, a beverage maker, a coffeemaker, or an iced-tea maker.	19. The system according to claim 17, wherein the appliance is a refrigerator, a freezer, a food processor, a dishwasher, a food blender, a beverage maker, a coffeemaker, or an iced-tea maker.	19. The method according to claim 17, wherein the appliance is a refrigerator, a freezer, a food processor, a dishwasher, a food blender, a beverage maker, a coffeemaker, or an iced-tea maker.
20. The client device according to claim 16, wherein the primary function of the appliance is associated with an environmental control, and the appliance is part of a Heating, Ventilation	20. The system according to claim 16, wherein the primary function of the appliance is associated with environmental control, and the appliance is part of a	20. The method according to claim 16, wherein the primary function of the appliance is associated with environmental control, and the appliance is part of a

and Air Conditioning (HVAC) system.	Heating, Ventilation and Air Conditioning (HVAC) system.	Heating, Ventilation and Air Conditioning (HVAC) system.
21. The client device according to claim 20, wherein the primary function of the appliance is associated with a temperature control, and wherein the appliance is an air conditioner or a heater.	21. The system according to claim 20, wherein the primary function of the appliance is associated with temperature control, and wherein the appliance is an air conditioner or a heater.	21. The method according to claim 20, wherein the primary function of the appliance is associated with temperature control, and wherein the appliance is an air conditioner or a heater.
22. The client device according to claim 16, wherein the primary function of the appliance is associated with cleaning, wherein the appliance primary function is associated with a clothes cleaning and the appliance is a washing machine, or wherein the appliance is a vacuum cleaner.	22. The system according to claim 16, wherein the primary function of the appliance is associated with cleaning, wherein the appliance primary function is associated with clothes cleaning and the appliance is a washing machine, or wherein the appliance is a vacuum cleaner.	22. The method according to claim 16, wherein the primary function of the appliance is associated with cleaning, wherein the appliance primary function is associated with clothes cleaning and the appliance is a washing machine, or wherein the appliance is a vacuum cleaner.
23. The client device according to claim 16, wherein the appliance is an answering machine, a telephone set, a home	23. The system according to claim 16, wherein the appliance is an answering machine, a telephone set, a home cinema system, a High	23. The method according to claim 16, wherein the appliance is an answering machine, a telephone set, a home cinema system, a High

cinema system, a High Fidelity (HiFi) system, a Compact Disc (CD) or Digital Video Disc (DVD) player, an electric furnace, a trash compactor, a smoke detector, a light fixture, or a dehumidifier.	Fidelity (HiFi) system, a Compact Disc (CD) or Digital Video Disc (DVD) player, an electric furnace, a trash compactor, a smoke detector, a light fixture, or a dehumidifier.	Fidelity (HiFi) system, a Compact Disc (CD) or Digital Video Disc (DVD) player, an electric furnace, a trash compactor, a smoke detector, a light fixture, or a dehumidifier.
24. The client device according to claim 1, wherein the first actuator is an electric light source for converting an electrical energy into light that emits a visible or non-visible light for illumination or indication, and the non-visible light is infrared, ultraviolet, X-rays, or gamma rays.	24. The system according to claim 1, wherein the first actuator is an electric light source for converting electrical energy into light that emits visible or non-visible light for illumination or indication, and the non-visible light is infrared, ultraviolet, X-rays, or gamma rays.	24. The method according to claim 1, wherein the first actuator is an electric light source for converting electrical energy into light that emits visible or non-visible light for illumination or indication, and the non-visible light is infrared, ultraviolet, X-rays, or gamma rays.
25. The client device according to claim 24, wherein the electric light source comprises a lamp, an incandescent lamp, a gas discharge lamp, a fluorescent	25. The system according to claim 24, wherein the electric light source comprises a lamp, an incandescent lamp, a gas discharge lamp, a fluorescent lamp, a Solid-	25. The method according to claim 24, wherein the electric light source comprises a lamp, an incandescent lamp, a gas discharge lamp, a fluorescent lamp, a Solid-

lamp, a Solid-State Lighting (SSL), a Light Emitting Diode (LED), an Organic LED (OLED), a polymer LED (PLED), or a laser diode.	State Lighting (SSL), a Light Emitting Diode (LED), an Organic LED (OLED), a polymer LED (PLED), or a laser diode.	State Lighting (SSL), a Light Emitting Diode (LED), an Organic LED (OLED), a polymer LED (PLED), or a laser diode.
26. The client device according to claim 1, wherein the first 10 actuator is a motion actuator that causes a linear or rotary motion.	26. The system according to claim 1, wherein the first actuator is a motion actuator that causes linear or rotary motion.	26. The method according to claim 1, wherein the first actuator is a motion actuator that causes linear or rotary motion.
27. The client device according to claim 1, wherein the first actuator is a sounder for converting an electrical energy to an omnidirectional, unidirectional, or bidirectional pattern 15 emitted, audible or inaudible, sound waves.	27. The system according to claim 1, wherein the first actuator is a sounder for converting an electrical energy to omnidirectional, unidirectional, or bidirectional pattern emitted, audible or inaudible, sound waves.	27. The method according to claim 1, wherein the first actuator is a sounder for converting an electrical energy to omnidirectional, unidirectional, or bidirectional pattern emitted, audible or inaudible, sound waves.
28. The client device according to claim 27, wherein the sounder comprises an electromagnetic loudspeaker, a piezoelectric speaker, an electrostatic loudspeaker	28. The system according to claim 27, wherein the sounder comprises an electromagnetic loudspeaker, a piezoelectric speaker, an electrostatic loudspeaker (ESL), a ribbon or planar	28. The method according to claim 27, wherein the sounder comprises an electromagnetic loudspeaker, a piezoelectric speaker, an electrostatic loudspeaker (ESL), a ribbon or planar

(ESL), a ribbon or planar magnetic loudspeaker, or a bending wave loudspeaker, or wherein 20 the sounder comprises an electric bell, a buzzer, a chime, a whistle, or a ringer.	magnetic loudspeaker, or a bending wave loudspeaker, or wherein the sounder comprises an electric bell, a buzzer, a chime, a whistle, or a ringer.	magnetic loudspeaker, or a bending wave loudspeaker, or wherein the sounder comprises an electric bell, a buzzer, a chime, a whistle, or a ringer.
29. The client device according to claim 27, wherein the operating of the first actuator comprises playing a digital audio content that is pre-recorded or synthesized, or wherein the operating of 25 the first actuator comprises simulating the voice of a human being or generating music, or wherein the operating of the first actuator comprises sounding a syllable, a word, a phrase, a sentence, a short story, or a long story, using male or female voice.	29. The system according to claim 27, wherein the operating of the first actuator comprises playing digital audio content that is pre-recorded or synthesized, or wherein the operating of the first actuator comprises simulating the voice of a human being or generating music, or wherein the operating of the first actuator comprises sounding a syllable, a word, a phrase, a sentence, a short story, or a long story, using male or female voice.	29. The method according to claim 27, wherein the operating of the first actuator comprises playing digital audio content that is pre-recorded or synthesized, or wherein the operating of the first actuator comprises simulating the voice of a human being or generating music, or wherein the operating of the first actuator comprises sounding a syllable, a word, a phrase, a sentence, a short story, or a long story, using male or female voice.

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Moustafa M Meky whose telephone number is (571)272-4005. The examiner can normally be reached Monday-Friday 9AM-5PM.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 571-272-4001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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/MOUSTAFA M MEKY/
Primary Examiner, Art Unit 2457 03/16/2025

<i>Notice of References Cited</i>	Application/Control No. 18/675,220		Applicant(s)/Patent Under Reexamination BINDER et al.	
	Examiner Moustafa M Meky		Art Unit 2457	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date YYYY-MM-DD	Name	CPC Classification	US Classification
*	A	US-12010174-B2	2024-06-11	Binder; Yehuda	G07C3/02	1/1
*	B	US-11128710-B2	2021-09-21	Binder; Yehuda	G07C3/02	1/1
*	C	US-8948923-B2	2015-02-03	Scheider; Wolf-Henning	H04L12/66	370/395.5
*	D	US-20130339282-A1	2013-12-19	MARTINEZ; Anthony E.	G06N5/00	706/45
*	E	US-20120158336-A1	2012-06-21	Duchamp; Lionel	C02F1/008	702/81
*	F	US-20110106333-A1	2011-05-05	Scheider; Wolf-Henning	H04L12/66	701/1
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date YYYY-MM-DD	Country	Name	CPC Classification
	N					
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	P					
	Q					
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NON-PATENT DOCUMENTS

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	V	
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	X	

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

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Notice of References Cited

Part of Paper No. 20250316

<i>Search Notes</i> 	Application/Control No. 18/675,220	Applicant(s)/Patent Under Reexamination BINDER et al.
	Examiner Moustafa M Meky	Art Unit 2457

CPC - Searched*		
Symbol	Date	Examiner
H04L 67/12	03/14/2025	MMM
B60Y 2200/11, 2200/12, 2200/13, 2200/30, 2200/40, 2200/50, 2200/90	03/14/2025	MMM

CPC Combination Sets - Searched*		
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US Classification - Searched*			
Class	Subclass	Date	Examiner
709	200	03/14/2025	MMM

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Search Notes		
Search Notes	Date	Examiner
WEST SEARCH ATTACH	03/16/2025	MMM
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Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

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Doc code :IDS

Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/06a (08-08)

Approved for use through 08/31/2008. OMB 0851-0031

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~13733634~~	18/675,220
	Filing Date		~~2018-05-01~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit	2457 Meky		
	Examiner Name			
	Attorney Docket Number	BINDER ~~USA (2018-04-28)~~ 014-US2		

U.S.PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code†	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	6862363		2005-01-03	Rabenko et al.	
	2	5510765		1996-23-04	Madau; Adrian	
	3	6934426		2005-23-08	Rich et al.	
	4	7843336		2010-30-11	Kucharyson; Richard P.	
	5	8115646		2012-14-02	Tanielian et al.	
	6	6452499		2002-17-09	Runge et al.	
	7	7027418		2008-11-04	Gan et al.	
	8	5274631		1993-28-12	Bhardwaj; Vinod K.	

EFS Web 2.1.4

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.M.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~10700001~~	18/675,220
	Filing Date		~~2019-03-01~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit	2457 Meky		
	Examiner Name			
Attorney Docket Number		BINDER- ~~101 (2018-01-28)~~ 014-US2		

9	7010050		2006-07-03	Maryanka; Yair	
10	6243571		2001-05-06	Bullock et al.	
11	6069899		2000-30-05	Foley; Peter F.	
12	5896443		1999-20-04	Dichter; Carl	
13	3820110		1974-25-06	Henrich et al.	
14	6473608		2002-29-10	Lehr et al.	

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U.S. PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code*	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20040151305		2004-05-08	BINDER Yehuda et al.	
	2	20070164865		2007-19-07	Glasson et al.	
	3	20100100327		2010-22-04	Jensen; Thomas P.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~1070000~~	18/675,220
	Filing Date		~~2019-02-01~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit	2457 Melky		
	Examiner Name			
Attorney Docket Number		BINDER-10A (2019-04-26) 5 014-US2		

4	20070004449		2007-04-01	Sham; John C.K.	
5	20050216302		2005-29-09	Raji et al.	
6	20020166124		2002-07-11	Gurantz et al.	
7	20020019966		2002-14-02	Yagil et al.	
8	20030139151		2003-24-07	Lifshitz et al.	
9	20040032902		2004-19-02	Koifman et al.	

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

FOREIGN PATENT DOCUMENTS

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
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~10700004~~	18/675,220
	Filing Date		~~2018-03-04~~	05-28-2024
	First Named Inventor	BINDER Yehuda		2457
	Art Unit			Meky
	Examiner Name			
	Attorney Docket Number	BINDER-104 (2018-04-28) 5014-US2		

1				☐
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	Filing Date		
	First Named Inventor	Yehuda Binder	
	Art Unit		
	Examiner Name		
	Attorney Docket Number	BINDER-014-US2	

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Name/Print	Yehuda Binder	Registration Number	73612
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.			

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	Filing Date		05-28-2024	
	First Named Inventor	Yehuda BINDER		
	Art Unit	2457 Meky		
	Examiner Name			
	Attorney Docket Number	BINDER-014-US28		

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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	7035898	B1	2006-04-25	Baker; Richard A	
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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	20110254697	A1	2011-10-20	Casey; Steven M. et al.	
	2	20110130163	A1	2011-06-02	SABAN; Ofer et al.	
	3	20060097574	A1	2006-05-11	Gidge; Brett D. et al.	
	4	20070173202	A1	2007-07-26	Binder; Yehuda et al.	
	5	20050289124	A1	2005-12-29	Kaiser, Matthias et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		18/675,220
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	First Named Inventor	Yehuda BINDER	
	Art Unit	2457 Meky	
	Examiner Name		
	Attorney Docket Number	BINDER-014-US28	

	6	20040093219	A1	2004-05-13	Shin, Ho-Chul et al.	
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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							☐

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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
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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		
	Filing Date		
	First Named Inventor	Yehuda BINDER	
	Art Unit		
	Examiner Name		
	Attorney Docket Number	BINDER-014-US28	

CERTIFICATION STATEMENT

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

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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	/Yehuda Binder/	Date (YYYY-MM-DD)	2024-05-28
Name/Print	Yehuda BINDER	Registration Number	73612

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	Filing Date		05-28-2024
	First Named Inventor	Yehuda Binder	
	Art Unit	2457 Meky	
	Examiner Name		
	Attorney Docket Number	BINDER-014-US28	

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	8615374	B1	2013-12-24	Frederick M. Discenzo		
	2	4472656	A	1984-09-18	CORNELIS FRANX		
	3	8244405	B2	2012-08-14	Imin Kao		
	4	5696879	A	1997-12-09	TROY L. CLINE		
	5	5077512	A	1991-12-31	HAROLD J. WEBER		
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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	20100281884	A1	2010-11-11	John Myron Rawski		

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	Art Unit	2457 Meky		
	Examiner Name			
	Attorney Docket Number	BINDER-014-US28		

	2	20120190292	A1	2012-07-26	Alan James Skrepcinski	
	3	20080291036	A1	2008-11-27	Robert Charles Richmond	
	4	20150222852	A1	2015-08-06	Ronald Carter	
	5	20100187832	A1	2010-07-29	Scott T. Holland	
	6	20090189981	A1	2009-07-30	Jon Siann	
	7	20130151200	A1	2013-06-13	Siew Kok Hui	
	8	20100039253	A1	2010-02-18	SHIHUA ZANG	
	9	20110047874	A1	2011-03-03	Scott B. Lowder	
	10	20090033522	A1	2009-02-05	Peter Nils Skillman	
	11	20180242859	A1	2018-08-30	Steven Francis LeBoeuf	
	12	20110282168	A1	2011-11-17	Alan Robert Weiss	

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	13	20130211858	A1	2013-08-15	Peter Ohnemus	
	14	20100195601	A1	2010-08-05	Yan Zhang	
	15	20120265026	A1	2012-10-08	Mohammad Shenasa	
	16	20020112726	A1	2002-08-22	Matthew F. Schmidt	
	17	20060206155	A1	2006-09-14	Tamir Ben-David	
	18	20110050216	A1	2011-03-03	Robert Thomas STONE	
	19	20090105605	A1	2009-04-23	Marcio Marc Abreu	
	20	20120179067	A1	2012-07-12	William Oren Wekell	
	21	20120130203	A1	2012-05-24	Stergios STERGIOU	
	22	20110034912	A1	2011-02-10	Bassel de Graff	
	23	20070208390	A1	2007-09-06	Jeffrey A. Von Arx	

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	24	20090005720	A1	2009-01-01	Lev Ludin	
	25	20100100004	A1	2010-04-22	Eugenio Johannes Wilhelmus van Someren	

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	First Named Inventor	Yehuda Binder	
	Art Unit		
	Examiner Name		
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Signature	/Yehuda Binder/	Date (YYYY-MM-DD)	2024-05-28
Name/Print	Yehuda Binder	Registration Number	73612

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Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	18675220
	Filing Date	2024-05-28
	First Named Inventor	Yehuda BINDER
	Art Unit	2457
	Examiner Name	Meky
	Attorney Docket Number	BINDER-014-US28

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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	7693720		2010-04-06	Kennewick; Robert A. et al.		
	2	8015006		2011-09-06	Kennewick; Robert A. et al.		
	3	8195468		2012-06-05	Weider; Chris et al.		
	4	9263039		2016-02-16	Di Cristo; Philippe et al.		
	5	8073681		2011-12-06	Baldwin; Larry et al.		
	6	9626703		2017-04-18	Kennewick, Sr.; Michael R.		
	7	7818176		2010-10-19	Freeman; Tom et al.		
	8	8676224		2014-03-18	Louch; John O.		

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	Examiner Name	Meky		
	Attorney Docket Number	BINDER-014-US28		

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	Examiner Name	
	Attorney Docket Number	BINDER-014-US28

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	18675220
	Filing Date	2024-05-28
	First Named Inventor	Yehuda BINDER
	Art Unit	
	Examiner Name	
	Attorney Docket Number	BINDER-014-US28

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	/Yehuda Binder/	Date (YYYY-MM-DD)	2024-12-26
Name/Print	Yehuda BINDER	Registration Number	73612

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.**

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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.

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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.
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		18 / 675 , 220	
	Filing Date		05-28-2024	
	First Named Inventor	Yehuda Binder		
	Art Unit	2457 Meky		
	Examiner Name			
	Attorney Docket Number	BINDER-014-US28		

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	1	6777856	B2	2004-08-17	Stefan Brechbühl et al	
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	1	20060230841	A1	2006-10-19	Vaidya Shrikrishna	
	2	20100187832	A1	2010-07-29	Scott T. Holland et al	
	3	20060176823	A1	2006-08-10	Leandro Barajas	
	4	20130101141	A1	2013-04-25	James Keith McElveen	
	5	20100265800	A1	2010-10-21	Graham Paul Eatwell	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		18/675,220	
	Filing Date		05-28-2024	
	First Named Inventor	Yehuda Binder		
	Art Unit	2457 Meky		
	Examiner Name			
	Attorney Docket Number	BINDER-014-US28		

	6	20090236538	A1	2009-09-24	David L. FRANK	
	7	20130026947	A1	2013-01-10	Theodore F. Economy et al.	
	8	20110084651	A1	2011-04-14	Henry D. Caskey et al.	
	9	20100188251	A1	2010-07-29	Donald G. Panuce	
	10	20110121656	A1	2011-05-26	Dennis Hicks et al	
	11	20110118934	A1	2011-05-19	Larkin H. Lowrey	
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	Filing Date		05-28-2024
	First Named Inventor	Yehuda Binder	
	Art Unit	2457 Meky	
	Examiner Name		
	Attorney Docket Number	BINDER-014-US28	

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Examiner Signature	/MOUSTAFA M MEKY/	Date Considered	03/16/2025
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	Filing Date		
	First Named Inventor	Yehuda Binder	
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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.

Patents

(first actuator) and (second actuator) and (voice or audio or microphone) and (WAN or internet)    (first actuator) (second actuator) (voice or audio or microphone) (WAN or internet) (first message) (second message);

About 37,979 results

 Download  Side-by-sideSort by  Relevance  Group by  None  Deduplicate by  Family  Results / page  10 **Vibration transmission device**

JP • JP2001026988A • Yoshitake Tetsu • Coda-KK

Priority 2000-05-12 • Filed 2000-05-12 • Published 2001-11-22

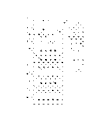
Similar PROBLEM TO BE SOLVED: To solve the problem that undesirable ambient sound included in an electrical signal is transmitted as noise in a speaker which converts vibration of opponent's words into an electrical signal, although there is an earphone, etc., in order to clearly hear voice such as words ...

System and method for server based control

US • US20210260002 • Yehuda Binder • May Patents Ltd.

Priority 2012-01-09 • Filed 2021-08-03 • Granted 2024-09-03 • Published 2024-09-03

25. The method according to claim 1, wherein the second actuator is an electric light source for converting electrical energy into light that emits visible or non-visible light for illumination or indication, and the non-visible light is infrared, ultraviolet, X-rays, or gamma rays. 26. The method ...

Systems and methods using audio input with a mobile device

US • US20180231502 • Melvin L. Barnes, Jr. • Coda Consulting Limited Liability Company

Priority 2002-05-23 • Filed 2015-04-28 • Granted 2018-06-12 • Published 2018-06-12

Systems and methods of using audio input with a mobile device. A method comprises receiving content at a mobile device; annotating, at the mobile device, a selectable item of a user interface associated with the content with an annotation; receiving, at the mobile device, an audio input associated ...

System and method for establishing communication channels between on-board unit ...

US • US20140237281 • Sathesh K. Addepalli • Cisco Technology, Inc.

Priority 2011-01-14 • Filed 2011-05-15 • Granted 2014-05-06 • Published 2014-05-06

A method includes establishing communication channels between an on-board unit (OBU) of a vehicle and a plurality of nodes, tagging each of a plurality of data from the plurality of nodes with a priority level, storing the plurality of data in a priority queue according to respective priority ...

Fitness monitoring

US • US20102786802 • Bao Tran • Empire Ip Llc

Priority 2006-05-24 • Filed 2014-05-16 • Granted 2015-08-18 • Published 2015-08-18

A mobile system for a user includes a telephone having one or more sensors to capture fitness data or vital sign data, the telephone having a wireless transceiver coupled to the processor to communicate fitness or vital sign data over a personal area network; and a processor coupled to the ...

Folded camera with actuator for moving optics

WO EP US CN KR • CN115086533B • NID 900000 • 株式会社

Priority 2019-01-26 • Filed 2019-01-25 • Granted 2024-11-26 • Published 2024-11-26

The present disclosure relates to a folded camera having an actuator for moving optics. Various implementations include cameras with folding optics and lens shifting capabilities. In some examples, the folded optics arrangement of the camera may include one or more lens elements and an optical ...

Actuator module, camera module, and multifunction device for voice coil motor ...

WO US CN JP KR AU DE • KR102218811B1 • 이기호 제이. 로빈슨. • 애플 인코.

Priority 2012-12-20 • Filed 2018-12-19 • Granted 2021-02-02 • Published 2021-02-02

Some embodiments provide an apparatus for controlling motion of a camera component. In some embodiments, the device includes an actuator module. The actuator module includes a plurality of magnets. Each of the plurality of magnets is polarized such that the magnetic domains are substantially ...

Multi-layer flexure for supporting a motion image sensor

WO EP US CN KR • CN113743380B • 三星电子 • 三星电子

Priority 2019-03-28 • Filed 2020-03-27 • Granted 2023-07-11 • Published 2023-07-11

Some embodiments may include a multilayer flexure that may be used in an optical image stabilization voice coil motor (OIS VCM) actuator for a camera. The multi-layer flexure module may include a dynamic platform and a static platform and a multi-layer flexure arm mechanically connecting the ...

Mobile zoom system, method, and medium for stabilizing camera using multiple ...

3/16/25, 4:05 PM

(first actuator) and (second actuator) and (voice or audio or microphone) and (WAN or internet) and (first message) and (second m...



WO EP US CN KR • CN103202720B • 苹果 • 苹果公司

Priority 2015-09-30 • Filed 2016-08-31 • Granted 2021-08-24 • Published 2021-08-24

the camera system comprises a shared magnet holder to which the one or more magnets of the first camera unit and the one or more magnets of the second camera unit are attached for generating a magnetic field that can be used for generating motion in one or more of the first actuator and the second ..

Camera with folding optics having movable lens

WO EP US CN KR • CN116588833B • 苹果 • 苹果公司

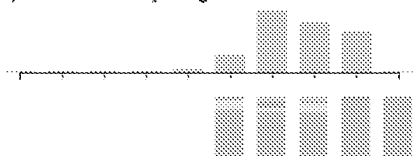
Priority 2018-01-10 • Filed 2019-01-10 • Granted 2024-10-18 • Published 2024-10-18

The present disclosure relates to cameras having folding optics with movable lenses. Various implementations include a camera with folding optics and lens shifting capabilities. Some embodiments include Voice Coil Motor (VCM) actuator means to provide Autofocus (AF) and/or Optical Image ...

Next > >>

About 27,979 results

Top 1000 results by filing date



Relative count of top 5 values

Assignees	Inventors	OPCs
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Intellect, Ltd		
苹果公司		
Samsung Electronics Co., Ltd.		
三星电子		
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Engineering & Computer Science

Physics & Mathematics

General Physics & Mathematics

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Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (01-22)

Approved for use through 05/31/2024. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		18/675,220
	Filing Date		05-28-2024
	First Named Inventor	Yehuda Binder	
	Art Unit	3457 Meky	
	Examiner Name		
	Attorney Docket Number	BINDER-014-US28	

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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	8140658	B1	2012-03-20	Gelvin; David C. et al.		
	2	7844687	B1	2010-11-30	Gelvin; David C. et al.		
	3	7797367	B1	2010-09-14	Gelvin; David C. et al.		
	4	7020701	B1	2006-03-28	Gelvin; David C. et al.		
	5	6859831	B1	2005-02-22	Gelvin; David C. et al.		
	6	6832251	B1	2004-12-14	Gelvin; David C. et al.		
	7	6826607	B1	2004-11-30	Gelvin; David C. et al.		
	8	6735630	B1	2004-05-11	Gelvin; David C. et al.		
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		18/675,220
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	1	20100328023	A1	2010-12-30	Thomson; Matthew B.		
	2	20120253480	A1	2012-10-04	Abe; Yuuichi		
	3	20110035491	A1	2011-02-10	Gelvin; David C. et al.		
	4	20100201516	A1	2010-08-12	Gelvin; David C. et al.		
	5	20100148940	A1	2010-06-17	Gelvin; David C. et al.		
	6	20120016678	A1	2012-01-19	Gruber; Thomas Robert et al.		
	7	20140286348	A1	2014-09-25	Haddad; Wassim et al.		
	8	20130091254	A1	2013-04-11	Haddad; Wassim et al.		
	9	20080077425	A1	2008-03-27	Johnson; Michael W. et al.		

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		18/675,220	
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	Art Unit	2457 Meky		
	Examiner Name			
	Attorney Docket Number	BINDER-014-US28		

	10	20120283894	A1	2012-11-08	Naboulsi; Mouhamad Ahmad	
	11	20170111158	A1	2017-04-20	Nagrath; Aditya	
	12	20070076593	A1	2007-04-05	Sakurai; Kohei et al.	
	13	20080068156	A1	2008-03-20	Shimokawa; Isao et al.	
	14	20020103576	A1	2002-08-01	Takamura, Seiichi et al.	
	15	20060217840	A1	2006-09-28	Uehigashi; Naoya	
	16	20110118888	A1	2011-05-19	White, II; Melvin Joseph	
	17	20150295788	A1	2015-10-15	Witzman; Kevin R. et al.	
	18	20140236384	A1	2014-08-21	YOSHIMURA; Kentaro et al.	
	19	20140188343	A1	2014-07-03	YOSHIMURA; Kentaro et al.	
	20	20120303216	A1	2012-11-29	YOSHIMURA; Kentaro et al.	

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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		
	Filing Date		
	First Named Inventor	Yehuda Binder	
	Art Unit		
	Examiner Name		
	Attorney Docket Number	BINDER-014-US28	

CERTIFICATION STATEMENT

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Signature	/Yehuda Binder/	Date (YYYY-MM-DD)	2024-05-28
Name/Print	Yehuda BINDER	Registration Number	73612

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Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		18675220
	Filing Date		2024-05-28
	First Named Inventor	Yehuda BINDER	
	Art Unit	2457 Meky	
	Examiner Name		
	Attorney Docket Number	BINDER-014-US28	

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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	9396450	B2	2016-07-19	Gazdzinski; Mark J. et al.		
	2	8301158	B1	2012-10-30	Thomas; C. Douglass		
	3	9100728	B2	2015-08-04	Higgins; Timothy Alan et al.		
	4	8886482	B2	2014-11-11	Higgins; Timothy Alan et al.		
	5	8949075	B2	2015-02-03	Higgins; Timothy Alan et al.		
	6	9031583	B2	2015-05-12	Pereira; Mindy et al.		
	7	9369839	B2	2016-06-14	Manges; Barbara J.		
	8	7917285	B2	2011-03-29	Rothschild; Leigh M.		

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	Art Unit	2457 ~~4637~~		
	Examiner Name			
	Attorney Docket Number	BINDER-014-US28		

	9	7683776	B2	2010-03-23	Glenn; Gregory M. et al.	
	10	6542819	B1	2003-04-01	Kovacs; Erno et al.	
	11	9712359	B2	2017-07-18	Snyder; Seth et al.	
	12	7952485	B2	2011-05-31	Schechter; Harry J. et al.	
	13	8248252	B2	2012-08-21	Schechter; Harry J. et al.	
	14	8547226	B2	2013-10-01	Schechter; Harry J. et al.	
	15	9857234	B2	2018-01-02	Schechter; Harry J. et al.	
	16	9541454	B2	2017-01-10	Schechter; Harry J. et al.	

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	1	20110304475	A1	2011-12-15	HIGGINS; Timothy Allan et al.	

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	Art Unit	2457 ~~Maley~~		
	Examiner Name			
	Attorney Docket Number	BINDER-014-US28		

	2	20110307203	A1	2011-12-15	HIGGINS; Timothy Allan et al.	
	3	20110307221	A1	2011-12-15	HIGGINS; Timothy Allan et al.	
	4	20100004857	A1	2010-01-07	Pereira; Mindy et al.	
	5	20160037295	A1	2016-02-04	Pereira; Mindy et al.	
	6	20050004752	A1	2005-01-06	Choi, Sang-on et al.	
	7	20150365792	A1	2015-12-17	Manges; Barbara J.	
	8	20160359651	A1	2016-12-08	Snyder; Seth et al.	
	9	20100127880	A1	2010-05-27	Schechter; Harry J. et al.	
	10	20120286969	A1	2012-11-15	Schechter; Harry J. et al.	
	11	20140223230	A1	2014-08-07	Schechter; Harry J. et al.	
	12	20180066996	A1	2018-03-08	Schechter; Harry J. et al.	

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	Art Unit	2457		
	Examiner Name	Meky		
	Attorney Docket Number	BINDER-014-US28		

	13	20170082498	A1	2017-03-23	Schechter, Harry J. et al.	
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EXAMINER SIGNATURE

Examiner Signature	/MOUSTAFA M MEKY/	Date Considered	03/16/2025
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Signature	/Yehuda Binder/	Date (YYYY-MM-DD)	2024-09-24
Name/Print	Yehuda BINDER	Registration Number	73612

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Doc code: IDS

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	Filing Date		05-28-2024
	First Named Inventor	Yehuda BINDER	
	Art Unit	2457 Meky	
	Examiner Name		
	Attorney Docket Number	BINDER-014-US28	

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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	8909370		2014-12-09	Stiehl; Walter Dan et al.	
	2	7750223		2010-07-06	Ohshima; Osamu et al.	
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	1	20060187034	A1	2006-08-24	Styers; Justin R. et al.	
	2	20120112538	A1	2012-05-10	Kesler; Morris P. et al.	
	3	20110067059	A1	2011-03-17	Johnston; Michael et al.	

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	4	20110055292	A1	2011-03-03	Madau; Dinu Petre et al.	
	5	20110032952	A1	2011-02-10	Rochon; Michel et al.	
	6	20090294141	A1	2009-12-03	ROUSE; J. Paul et al.	
	7	20080154535	A1	2008-06-26	Sparks; Douglas Ray et al.	
	8	20070225873	A1	2007-09-27	Toya; Takayuki et al.	
	9	20070016328	A1	2007-01-18	Ziegler; Andrew et al.	
	10	20060237427	A1	2006-10-26	Logan; James D.	
	11	20060164208	A1	2006-07-27	Schaffzin; Richard A. et al.	
	12	20040129693	A1	2004-07-08	Hook, Roy E.	
	13	20020000092	A1	2002-01-03	Sharood, John N. et al.	
	14	20010049248	A1	2001-12-06	Choi, Kei Fung	

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	15	20030038017	A1	2003-02-27	Boyer, Curtis Elroy et al.	
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Examiner Signature	/MOUSTAFA M MEKY/	Date Considered	03/16/2025
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Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (01-22)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		18675220
	Filing Date		2024-05-28
	First Named Inventor	Yehuda BINDER	
	Art Unit	2457	
	Examiner Name	Meky	
	Attorney Docket Number	BINDER-014-US28	

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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	7693720		2010-04-06	Kennewick; Robert A. et al.	
	2	8015006		2011-09-06	Kennewick; Robert A. et al.	
	3	8195468		2012-06-05	Weider; Chris et al.	
	4	9263039		2016-02-16	Di Cristo; Philippe et al.	
	5	8073681		2011-12-06	Baldwin; Larry et al.	
	6	9626703		2017-04-18	Kennewick, Sr.; Michael R.	
	7	7818176		2010-10-19	Freeman; Tom et al.	
	8	8676224		2014-03-18	Louch; John O.	

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	Art Unit	2457		
	Examiner Name	Meky		
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	9	7047196		2001-02-16	Theodore Calderone et al.	
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Examiner Signature	/MOUSTAFA M MEKY/	Date Considered	03/16/2025
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☐ 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	/Yehuda Binder/	Date (YYYY-MM-DD)	2024-12-26
Name/Print	Yehuda BINDER	Registration Number	73612

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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.
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	Filing Date		05-28-2024	
	First Named Inventor	Yehuda Binder		
	Art Unit	2457 Meky		
	Examiner Name			
	Attorney Docket Number	BINDER-014-US28		

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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	20030105389	A1	2003-06-05	Julianne Noonan	
	2	20070283005	A1	2007-12-06	Robert P. Beliles	
	3	20090198380	A1	2009-08-06	Scott Justin-Marl Friedman	
	4	20090224906	A1	2009-09-10	Lennart BALGARD	
	5	20100071053	A1	2010-03-18	Amir Ansari	

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	First Named Inventor	Yehuda Binder		
	Art Unit	2457 Meky		
	Examiner Name			
	Attorney Docket Number	BINDER-014-US28		

	6	20120079149	A1	2012-03-29	David C. Gelvin	
	7	20130091279	A1	2013-04-11	Wassim Haddad	
	8	20130308581	A1	2013-11-21	Ahmadreza (Reza) Rofougaran	
	9	20150046582	A1	2015-02-12	David C. Gelvin	
	10	20160062330	A1	2016-03-03	Yuuichi Abe	
	11	20160344745	A1	2016-11-24	Michael W. Johnson	
	12	20030009271	A1	2003-01-09	Susumu Akiyama	
	13	20060111825	A1	2006-05-25	Minoru Okada	
	14	20070021847	A1	2007-01-25	Akihiko Hyodo	
	15	20070198144	A1	2007-08-23	William Robert Norris	
	16	20080100428	A1	2008-05-01	Sherry D. Price	

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	Examiner Name			
	Attorney Docket Number	BINDER-014-US28		

	17	20090138136	A1	2009-05-28	Akihiro Natsume	
	18	20100030421	A1	2010-02-04	Kentaro YOSHIMURA	
	19	20100211258	A1	2010-08-19	Kohei SAKURAI	
	20	20110153149	A1	2011-06-23	Hong Seok Jeon	
	21	20140215491	A1	2014-07-31	Sateesh K. Addepalli	
	22	20080307075	A1	2008-12-11	Urano; Takehiro ; et al.	
	23	20090089065	A1	2009-04-02	Buck; Markus ; et al.	
	24	20170272316	A1	2017-09-21	Johnson; Michael W. ; et al.	
	25	20050273505	A1	2005-12-08	Kim, Byeong-Woo	
	26	20060212194	A1	2006-09-21	Breed; David S.	
	27	20070096565	A1	2007-05-03	Breed; David S. ; et al.	

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	28	20070176740	A1	2007-08-02	Aubertin; Jean-Pierre ; et al.	
	29	20080129475	A1	2008-06-05	Breed; David S. ; et al.	
	30	20080136670	A1	2008-06-12	Tengler; Steve ; et al.	
	31	20100207754	A1	2010-08-19	Shostak; Oleksandr T. ; et al.	
	32	20130139440	A1	2013-06-06	WECHS; Martin	

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	Art Unit	2457 Meky	
	Examiner Name		
	Attorney Docket Number	BINDER-014-US28	

EXAMINER SIGNATURE			
Examiner Signature	/MOUSTAFA M MEKY/	Date Considered	03/16/2025
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Signature	/Yehuda Binder/	Date (YYYY-MM-DD)	2024-05-28
Name/Print	Yehuda Binder	Registration Number	73612

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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	20040267385	A1	2004-12-30	Ronald R. Lingemann		
	2	20180253069	A1	2018-09-06	Reza Raji		
	3	20080215391	A1	2008-09-04	Kevin J. Dowling		
	4	20160218884	A1	2016-07-28	Matthew P. EBROM		
	5	20110251807	A1	2011-10-13	Patrick A. Rada		

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	6	20120228952	A1	2012-09-13	Katherine L. Hall	
	7	20140170275	A1	2014-06-19	Domenic Bordin	
	8	20150226439	A1	2015-08-13	Conrad S. Mikulec	
	9	20120325197	A1	2012-12-27	Ferdinand Villegas Legaspi	
	10	20090183729	A1	2009-07-23	Sydney Barkhouse	
	11	20070220907	A1	2007-09-27	Gregory A. Ehlers	
	12	20120093132	A1	2012-04-19	Ahmadreza (Reza) Rofougaran	

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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
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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	/Yehuda Binder/	Date (YYYY-MM-DD)	2024-05-28
Name/Print	Yehuda Binder	Registration Number	73612

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 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.
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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.

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	35	"11128710"	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/14 04:10 PM
L2	108015	first adj3 (voice OR audio OR mircophone)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 03:53 PM
L3	99376	second adj3 (voice OR audio OR mircophone)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 03:53 PM
L4	48703	L2 WITH L3	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 03:53 PM
L5	306	L4 WITH actuator	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 03:53 PM
L6	9	L5 WITH internet	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 03:54 PM
L7	9	L5 WITH (internet OR WAN)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 03:54 PM
L8	48777	(H04L67/12,B60Y2200/11,B60Y2200/12,B60Y2200/13,B60Y2200/30,B60Y2200/40,B60Y2200/50,B60Y2200/90) .CPC.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 03:59 PM
L9	48010	first adj1 actuator	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 03:59 PM
L10	141	L8 AND L9	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 03:59 PM
L11	52611	second adj1 actuator	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 04:00 PM
L12	123	L10 AND L11	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 04:00 PM
L13	66	L12 AND (microphone OR voice OR audio)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 04:00 PM
L14	62	L13 AND (WAN OR internet)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 04:01 PM
L15	57	L14 NOT L6	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2025/03/16 04:01 PM

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

Doc code :IDS

Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/06a (08-08)

Approved for use through 08/31/2008. OMB 0851-0031

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		~~10733634~~	18/575,220
	Filing Date		~~2015-03-01~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit	2457 Meky		
	Examiner Name			
	Attorney Docket Number		BINDER ~~10733634~~ 014-US2	

U.S.PATENTS						
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	7499239		2009-03-03	Chang; Michael	
	2	6285761		2001-04-09	Patel et al.	
	3	7512645		2009-31-03	Pitz et al.	
	4	7124157		2006-17-10	Ikake; Katsunori	
	5	4905176		1990-27-02	Schulz; Raymond A.	
	6	4853384		1989-01-08	Brown et al.	
	7	7145933		2008-05-12	Szajnowski; Wieslaw Jerzy	
	8	8214070		2012-03-07	Grossmann et al.	

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.M.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~10700001~~	18 / 675 , 220
	Filing Date		~~2013-03-01~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit	2457 Meky		
	Examiner Name			
	Attorney Docket Number		BINDER-404 (~~2013-04-26~~) 6014-US2	

9	8180492		2012-15-05	Steinberg; John Douglas	
10	6535243		2003-18-03	Tullis; Barclay J.	
11	6552743		2003-22-04	Rissman; Paul	
12	6786332		2004-07-09	Cook; Charles I.	
13	5666159		1997-09-09	Parulski et al.	
14	7327385		2008-05-02	Yamaguchi; Hirohisa	
15	5402170		1995-28-03	Parulski et al.	
16	7432952		2008-07-10	Fukuoka; Hiroki	
17	5138459		1992-11-08	Roberts et al.	
18	5670138		1999-09-02	Smith et al.,	
19	7317815		2008-08-01	Steinberg et al.	

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.M.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~18733934~~	18/675,220
	Filing Date		~~2018-03-01~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit	2457 Meky		
	Examiner Name			
	Attorney Docket Number		BINDER- ~~18A (2018-01-28)~~ 6014-US2	

20	5987154		1999-16-11	Gibbon et al.	
21	6128397		2000-03-10	Beluja et al.	
22	6186777		2001-13-02	Darrell et al.	
23	6282317		2001-26-08	Luc et al.	
24	6301370		2001-09-10	Steffens et al.	
25	6332033		2001-18-12	Qian; Richard	
26	6404900		2002-11-06	Qian et al.	
27	6407777		2002-18-06	DeLuca; Michael Joseph	
28	7508961		2009-24-03	Chen et al.	
29	7315630		2008-01-01	Steinberg et al.	
30	7110575		2006-19-09	Chen et al.	

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.M.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~40733034~~	18/675,220
	Filing Date		~~2018-03-01~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit	2457 Meky		
	Examiner Name			
	Attorney Docket Number		BINDER= ~~404 (2018-04-26)~~ 5014-US2	

31	6526161		2003-25-02	Yan; Yong	
32	6516154		2003-04-02	Perulski et al.	
33	6504942		2003-07-01	Hong et al.	
34	6501857		2002-31-12	Gotsman et al.	
35	6473199		2002-29-10	Gilman et al.	
36	6940545		2005-06-09	Ray et al.	
37	RE33682		1991-03-09	Hiramatsu; Tatsuo	
38	RE31370		1983-06-09	Mashimo , et al.	
39	4047187		1977-06-09	Mashimo , et al.	
40	4317991		1982-02-03	Stauffer; Norman L.	
41	4367027		1983-04-01	Stauffer; Norman L.	

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.M.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~1070000~~	18 / 675 , 220
	Filing Date		~~2019-02-01~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit	2457 Meky		
	Examiner Name			
Attorney Docket Number		BINDER-404 (2019-01-26) 014-US2		

42	4638364		1987-20-01	Hiramatsu, Tatsuo	
43	5291234		1994-01-03	Shindo , et al.	
44	5386103		1995-31-01	DeBan , et al.	
45	5486429		1996-30-01	Kojima , et al.	
46	5636136		1997-10-06	Kojima , et al.	
47	5642431		1997-24-06	Poggio , et al.	
48	5710833		1998-20-01	Moghaddam , et al.	

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

U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code1	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20050044119		2005-24-02	Langin-Hooper et al.	
	2	20080263117		2008-23-10	Rose et al.	

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~1070000~~	18/675,220
	Filing Date		~~2015-03-01~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit	2457 Meky		
	Examiner Name			
	Attorney Docket Number		BINDER-100 (2018-04-26) 014-US2	

FOREIGN PATENT DOCUMENTS								
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								
NON-PATENT LITERATURE DOCUMENTS								
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	ITU-T G.9960 entitled: "Unified high-speed wireline-based home networking transceivers – System architecture and physical layer specification", 12/2011 (160 pages)						☐
	2	ITU-T G.989.1 entitled: "Phoneline networking transceivers – Foundation", 02/2001 (19 pages)						☐
	3	RFC 5389 entitled: "Session Traversal Utilities for NAT (STUN)", October 2008 51 pages)						☐
	4	RFC 4096 entitled: "Terminology for Benchmarking BGP Device Convergence in the Control Plane", June 2005 (27 pages)						☐
	5	RFC 3550 entitled: "RTP: A Transport Protocol for Real-Time Applications", July 2003 (89 pages)						☐
	6	RFC 3315 entitled: "Dynamic Host Configuration Protocol for IPv6 (DHCPv6)", July 2003 (102 pages)						☐
	7	RFC 3261 entitled: "SIP: Session Initiation Protocol", June 2002 (269 pages)						☐

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.M.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~10700000~~	18/675,220
	Filing Date		~~2018-08-01~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit	2457 Meky		
	Examiner Name			
	Attorney Docket Number		BINDER-40A (2018-04-26) 2 014-US2	

8	RFC 2460 entitled: "Internet Protocol, Version 6 (IPv6) Specification", December 1998 (40 pages)	☐
9	RFC 2131 entitled: "Dynamic Host Configuration Protocol", March 1997 (46 pages)	☐
10	RFC 1349 entitled: "Type of Service in the Internet Protocol Suite", July 1992 (29 pages)	☐
11	RFC 1034 entitled: "DOMAIN NAMES - CONCEPTS AND FACILITIES", November 1987 (56 pages)	☐
12	RFC 1035 entitled: "DOMAIN NAMES - IMPLEMENTATION AND SPECIFICATION", November 1987 (56 pages)	☐
13	RFC 791 entitled: "Internet Protocol", September 1981 (52 pages)	☐
14	ECMA-352 entitled: "Near Field Communication -- Interface and Protocol -2 (NFCIP-2)", by ECMA International, 2nd Edition/June 2010 (12 pages)	☐
15	ECMA-340 entitled: "Near Field Communication -- Interface and Protocol (NFCIP-1)", by ECMA International, 2nd Edition/December 2004 (65 pages)	☐
16	IEEE Std 802.15.4™-2011, "IEEE Standard for Local and metropolitan area networks - Part 15.4: Low-Rate Wireless Personal Area Networks (LR-WPANs)", Approved 16 June 2011 (334 pages)	☐
17	IEEE Std 802.15.3c™-2009, "IEEE Standard for Information technology - Part 15.3: Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for High Rate Wireless Personal Area Networks (WPANs)", Published by IEEE on 12 October 2009 (203 pages)	☐
18	"Universal Serial Bus 3.0 Specification", Revision 1.0, June 6, 2011, downloaded from www.usb.org (531 pages)	☐

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.M.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~1070000~~	18 / 675 , 220
	Filing Date		~~2018-03-01~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit	2457 Meky		
	Examiner Name			
Attorney Docket Number		BINDER- ~~104 (2018-01-28)~~ 014-US2		

19	"RocketIO™ Transceiver User Guide", UG024 (v3.0), February 22, 2007 (156 pages).	☐
20	SUCKOW E.H.. "Basics of High-Performance SerDes Design: Part I". Fairchild Semiconductor International, downloaded 10/2011 (8 pages).	☐
21	"Hard-Disk Basics" compiled from PCGUIDE.COM by Mehedi Hasan, February 12, 2005 (738 pages)	☐

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

EXAMINER SIGNATURE

Examiner Signature	/MOUSTAFA M MEKY/	Date Considered	03/16/2025
--------------------	-------------------	-----------------	------------

*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		
	Filing Date		
	First Named Inventor	Yehuda Binder	
	Art Unit		
	Examiner Name		
	Attorney Docket Number	BINDER-014-US2	

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			
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☐ 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	/Yehuda Binder/	Date (YYYY-MM-DD)	~~2016-11-27~~ 2024-05-28
Name/Print	Yehuda Binder	Registration Number	73612
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.			

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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.
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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.
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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/06a (08-08)

Approved for use through 08/31/2008. OMB 0851-0031

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		~~10768884~~	18/675,220
	Filing Date		~~2018-03-01~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit	2457 Melcy		
	Examiner Name			
	Attorney Docket Number		BINDER ~~18A (0848 64 20)~~ 014-US2	

U.S.PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code†	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	5010399		1991-23-04	Goodman et al.	
	2	5621455		1997-15-04	Rogers et al.	
	3	7466844		2008-16-12	Arun Ramaswamy et al.	
	4	7213061		2007-01-05	Hite et al.	
	5	6549234		2003-15-04	Lee; Sung-Min	
	6	6844897		2005-18-01	Andersson; Anders	
	7	7342212		2008-11-03	Mentzer et al.	
	8	6476372		2002-05-11	Merrill et al.	

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.M.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~10793000~~	18/675,220
	Filing Date		~~2018-09-04~~	05-28-2024
	First Named Inventor	BINDER Yehuda		2457
	Art Unit			Meky
	Examiner Name			
	Attorney Docket Number	BINDER-100 (2018-04-26) 1-014-US2		

9	8016205		2011-13-09	Drew; David Scot	
10	6474138		2002-05-11	Chang et al.	
11	5946965		1999-07-09	Upchurch, et al.	
12	6329160		2001-11-12	Schneider et al.	
13	4857273		1989-15-08	Stewart; William J.	
14	6437578		2002-20-08	Gumm; Linley F.	
15	6714021		2004-30-03	Williams; Emrys J.	
16	6620225		2004-16-11	Johnson et al.	
17	7716985		2010-18-05	Zhang et al.	
18	5578755		1996-26-11	Offenberg; Michael	
19	5962786		1999-05-10	Le Traon et al.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~43733034~~	18/675,220
	Filing Date		~~0018-03-04~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit	2457 Meky		
	Examiner Name			
Attorney Docket Number		BINDER-404 (~~0018-04-26~~) 4-014-US2		

20	7617729		2009-17-11	Axelrod et al.	
21	6670212		2003-30-12	McNie et al.	
22	7892876		2011-22-02	Mehregany; Mehran	
23	7326866		2008-05-02	Kelley, Jr., et al.	
24	7774155		2010-10-08	Sato et al.	
25	4594898		1986-17-06	Kirman et al.	
26	7047826		2006-23-05	Peshkin; Michael A.	
27	6865953		2005-15-03	Tsukada et al.	
28	5844146		1998-01-12	Murray et al.	
29	5617943		1998-06-10	Welles, II et al.,	
30	6606911		2003-19-06	Akiyama et al.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~40700001~~	18/675,220
	Filing Date		~~2015-03-01~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit	2457 Meky		
	Examiner Name			
	Attorney Docket Number		BINDER-40A (2018-04-26) 1-014-US2	

31	4434451		1984-28-02	Delatorre; Leroy C.	
32	5134887		1992-04-08	Beil; Robert L.	
33	5001453		1991-19-03	Ikejiri et al.	
34	6840103		2005-11-01	Lee et al.	
35	6806722		2004-19-10	Shon et al.	
36	6895803		2005-24-05	Seakins et al.,	
37	4873481		1989-10-10	Nelson et al.,	
38	3213010		1965-19-10	Saunders et al.	
39	5604595		1997-18-02	Schoen; Neil C.	
40	7219536		2007-22-05	Liu et al.	
41	7482732		2009-27-01	Kalantar-Zadeh; Kourosh	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~10700001~~	18/675,220
	Filing Date		~~05-10-2024~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit	2457 Meky		
	Examiner Name			
	Attorney Docket Number		BINDER-100 (2018-01-26) 1014-US2	

	42	4759220		1988-26-07	Burdess et al.	
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U.S.PATENT APPLICATION PUBLICATIONS						
Examiner Initial*	Cite No	Publication Number	Kind Code	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20070112939		2007-17-05	Wilson; Brian B. ; et al.	
	2	20100201531		2010-12-08	Pakravan; Alireza ; et al.	
	3	20050247573		2005-10-11	Nakamura, Hideaki ; et al.	
	4	20070249063		2007-25-10	Deshong; Philip R. ; et al.	
	5	20040182167		2004-23-09	Orth, Kelly M. ; et al.	
	6	20100162815		2010-01-07	LEE; Sang-Hun	
	7	20090272193		2009-05-11	OKAGUCHI; Kenjiro ; et al.	
	8	20110041604		2011-24-02	Kano; Kazuhiko ; et al.	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~10700001~~	18/675,220
	Filing Date		~~2019-02-04~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit	2457 Meky		
	Examiner Name			
	Attorney Docket Number		BINDER- ~~100A (2019-04-26)~~ 014-US2	

FOREIGN PATENT DOCUMENTS								
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	1	Publication number 1-587005-001-3 by Cisco Systems, Inc. (6/99) entitled: "Internetworking Technologies Handbook", Chapter 5: "Routing Basics", pages 5-1 to 5-10 (10 pages)						☐
	2	Publication number 1-587005-001-3 by Cisco Systems, Inc. (6/99) entitled: "Internetworking Technologies Handbook", Chapter 30: "Open System Interconnection Protocols" pages 30-1 to 30-10 (10 pages)						☐
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	5	Publication number 1-587005-001-3 by Cisco Systems, Inc. (6/99) entitled: "Internetworking Technologies Handbook", Chapter 51: "Security Technologies" pages 51-1 to 51-12 (12 pages)						☐
	6	IBM Corporation, International Technical Support Organization Redbook Documents No. SG24-4756-00 entitled: "Local Area Network Concepts and Products: LAN Operation Systems and management", 1st Edition May 1996 (216 pages)						☐
	7	IBM Corporation, International Technical Support Organization Redbook Document No. GG24-4338-00 entitled: "Introduction to Networking Technologies", 1st Edition April 1994 (220 pages)						☐

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~12723624~~	18/675,220
	Filing Date		~~2012-03-01~~	05-28-2024
	First Named Inventor	BINDER Yehuda		2457
	Art Unit			Meky
	Examiner Name			
	Attorney Docket Number		BINDER= ~~40A (2012-04-26)~~ 4 014-US2	

8	IBM Corporation, International Technical Support Organization, Redbook Document No. SG24-2580-01 "IP Network Design Guide", 2nd Edition June 1999 (324 pages)	☐
9	IBM Corporation, International Technical Support Organization, Redbook Document No. GG24-3376-07 "TCP/IP Tutorial and Technical Overview", ISBN 0738494682 8th Edition Dec. 2006 (1004 pages)	☐
10	A slide-show by W. Steven Conner, Intel Corp. et al. entitled: "IEEE 802.11s Tutorial" presented at the IEEE 802 Plenary, Dallas on Nov. 13, 2006 (93 pages)	☐
11	A slide-show by Eugen Borocoi of University Politehnica Bucharest, entitled: "Wireless Mesh Networks Technologies: Architectures, Protocols, Resource Management and Applications", presented in INFOWARE Conference on August 22-29th 2009 in Cannes, France (212 pages)	☐
12	An IEEE Communication magazine paper by Joseph D. Camp and Edward W. Knightly of Electrical and Computer Engineering, Rice University, Houston, TX, USA, entitled: "The IEEE 802.11s Extended Service Set Mesh Networking Standard" (6 pages)	☐
13	"IEEE 802.11g Offers Higher Data Rates and Longer Range" to Jim Zyren et al. by Intersil	☐
14	"Home Network with Cloud Computing for Home Management", by Katsuya Suzuki and Masahiro Inoue, IEEE 15th International Symposium on Consumer Electronics, 2011, pages 421-425 (5 pages)	☐
15	Publication by Cisco Systems, Inc. (6/99) entitled: "Internetworking Technologies Overview", Chapter 18: "Multiservice Access Technologies", pages 18-1 to 18-10 (18 pages)	☐
16	Publication number 1-587005-001-3 by Cisco Systems, Inc. (6/99) entitled: "Internetworking Technologies Handbook", Chapter 19: "Voice / Data Integration Technologies", pages 19-1 to 19-30 (30 pages)	☐
17	Home Gateway Initiative (HGI) document entitled: "Home Gateway Technical Requirements: Release 1", Version 1.0, 1 July 2006 (112 pages)	☐
18	Home Gateway Initiative (HGI) document entitled: "HGI guideline Paper - Remote Access", Version 1.01, 18/05/08 (19 pages)	☐

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~43733034~~	18/675,220
	Filing Date		~~2018-08-04~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit	2457 Meky		
	Examiner Name			
	Attorney Docket Number		BINDER- ~~434 (2018-04-28)~~ 1014-US2	

19	HGI document entitled: "Requirements for an energy efficient home gateway" HGI-RD009-R3, 14/10/2010 (66 pages)	☐
20	The book entitled: "Practical Design Techniques for Sensor Signal Conditioning", by Analog Devices, Inc., 1999 (ISBN-0-916550-20-6) (366 pages)	☐
21	"AN39 -- Current measurement application handbook", by Zetex Semiconductors PLC 2008, Issue 5, January 2008 (42 pages)	☐
22	Data-sheet LIS302DL STMicroelectronics, 'MEMS motion sensor 3-axis - ±2g/±8g smart digital output "piccolo" accelerometer', Rev. 4, October 2008 (42 pages)	☐
23	SignalQuest, Inc., 'DATASHEET SQ-SEN-200 Omnidirectional Tilt and Vibration Sensor', Updated 2009-08-03 (6 pages)	☐
24	The book entitled: "Sensors and Control Systems in manufacturing", Second Edition 2010, by Sabrie Soloman, The McGraw-Hill Companies, ISBN: 978-0-07-160573-1 (625 pages)	☐
25	The book entitled: "Fundamentals of Industrial Instrumentation and Process Control", by William C. Dunn, 2005, The McGraw-Hill Companies, ISBN: 0-07-145735-6 (337 pages)	☐
26	The book entitled: "Sensor technology Handbook", Edited by Jon Wilson, by Newnes-Elsevier 2005, ISBN:0-7506-7729-5 (700 pages)	☐
27	The book entitled: "Development in Speech Synthesis", by Mark Tatham and Katherine Morton, published 2005 by John Wiley & Sons, Ltd., ISBN: 0-470-85538-X (357 pages)	☐
28	The book entitled: "Speech Synthesis and Recognition" by John Holmes and Wendy Holmes, 2nd Edition, published 2001 ISBN: 0-7484-0856-8, 2001 (371 pages)	☐
29	Holtek HT3834 CMOS VLSI Integrated Circuit (IC), '36 Melody Music Generator' available from Holtek Semiconductor Inc., Rev. 1.00, November 2, 2006 (16 pages)	☐

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~10730004~~	18/675,220
	Filing Date		~~2018-03-04~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit	2457 Meky		
	Examiner Name			
	Attorney Docket Number		BINDER- ~~404 (2018-04-26)~~ 014-US2	

30	A data sheet PF226-04, EPSON 7910 series 'Multi-Melody IC' available from Seiko-Epson Corporation, 1996 (5 pages)	☐
31	SAE J1962, Surface Vehicle Standard, entitled: "Diagnostic Connector Equivalent to ISO/DIS 15031-3:December 14, 2001", Issued: 1992-06; Revised: 2002-04 (20 pages)	☐
32	Magnevation SpeakJe, 'Natural Speech & Complex Sound Synthesizer', User's Manual Revision 1.0 July 27, 2004 (17 pages)	☐
33	Data sheet "NLP-5x Natural Language Processor with Motor, Sensor and Display Control", P/N 80-0317-K, published 2010 by Sensory, Inc. of Santa-Clara, California, U.S.A. (164 pages)	☐
34	OPTI 82C931, 'Plug and Play Integrated Audio Controller', Data Book 912-3000-035 Revision: 2.1, August 1, 1997 (64 pages)	☐
35	YMF721 OPL4-ML2 FM + Wavetable Synthesizer LSI, available from Yamaha Corporation described in YMF721 Catalog No. LSI-4MF721A20, July 10, 1997 (41 pages)	☐
36	White Paper "All You Need To Know About Power over Ethernet (PoE) and the IEEE 802.3af Standard", by PowerDsine Ltd., 06-0002-082 20-May-04 (24 pages)	☐
37	IEEE Std. 802.3af-2003, "Part 3: Carrier sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications, Amendment: Data Terminal Equipment (DTE) Power via Media Dependent Interface (MDI)", 2003 (133 pages)	☐
38	IEEE Std. 802.3at-2009, "Part 3: Carrier sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications, Amendment 3: Data Terminal Equipment (DTE) Power via Media Dependent Interface (MDI) Enhancements", 2009 (141 pages)	☐
39	Ben-Gurion University Publication entitled: "Chapter 9 – Feedforward Control" (pages 221-240) downloaded from http://www.bgu.ac.il/chem_eng/pages/Courses/oren%20courses/Chapter_9.pdf (20 pages)	☐
40	"PID Control System Analysis, Design, and Technology" by Kiam Heong Ang, Gregory Chong, and Yun Li, published IEEE Transaction on Control System Technology, Vol. 13 No. 4, July 2005 (pp. 559-576) (18 pages)	☐

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~13723624~~	18/675,220
	Filing Date		~~2019-09-04~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit	2457 Meky		
	Examiner Name			
Attorney Docket Number		BINDER- ~~404 (2019-04-26)~~ 1014-US2		

41	A data sheet 'True Random Number Generation IC RPG100 / RPG100B' publication number HM-RAE001-0509, by FDK Corporation, last update September 2005 (4 pages)	☐
42	The Publication entitled: "Introduction to Fuzzy Control" by Marcelo Godoy Simoes (5 pages)	☐
43	The publication entitled: "Fuzzy Logic in Embedded Microcomputers and Control Systems" by Walter Banks and Gordon Hayward, published by the Byte Craft Limited, October 2002 (75 pages)	☐
44	SAE J1939-01 Surface Vehicle Standard entitled: "Recommended Practice for Control and Communication Network for On-Highway Equipment", Issued: 2000-09 (7 pages)	☐
45	SAE J1939 Surface Vehicle Recommended Practice entitled: "Recommended Practice for a Serial Control and Communication Vehicle Network", Issued: 2000-04; Revised: 2005-01 (257 pages)	☐
46	The book entitled: "The Image Processing Handbook", Sixth Edition, by John C. Russ, from CRC Press ISBN: 978-1-4398-4063-4, 2011 (858 pages)	☐
47	The book entitled: "Handbook of Image & Video Processing", edited by AI Bovik, by Academic Press ISBN: 0-12-119790-5, 2000 (974 pages)	☐
48	The Brown University publication CS-99-11 entitled: "A survey of hand Posture and Gesture Recognition Techniques and Technology", by Joseph J. LaViola Jr., June 1999 (80 pages)	☐
49	Cisco Validated Design document entitled: "Building Automation System over IP (BAS/IP) Design and Implementation Guide" by Cisco Systems and Johnson Controls, 15 August 2008, v8.1 (107 pages)	☐
50	The article entitled: " Smart Homes for Older People: Positive Aging in a Digital World", by Quynh L&, Hoang B& Nguyen and Tony Barnett, published in Future Internet 2012, 4, 607-617; doi:10.3390/fi4020607 (11 pages)	☐
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	~~10723034~~	18/675,220
	Filing Date	~~2019-02-04~~	05-28-2024
	First Named Inventor	BINDER Yehuda	
	Art Unit		2457 Meky
	Examiner Name		
	Attorney Docket Number	BINDER- ~~104 (2018-04-28)~~ 014-US2	

EXAMINER SIGNATURE			
Examiner Signature	/MOUSTAFA M MEKY/		Date Considered 03/16/2025
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
	Filing Date		
	First Named Inventor	Yehuda Binder	
	Art Unit		
	Examiner Name		
	Attorney Docket Number	BINDER-014-US2	

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			
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☐ 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	/Yehuda Binder/	Date (YYYY-MM-DD)	~~2016-11-27~~ 2024-05-28
Name/Print	Yehuda Binder	Registration Number	73612
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.			

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		18/675,220	
	Filing Date		05-28-2024	
	First Named Inventor	Yehuda Binder		
	Art Unit	2457 Meky		
	Examiner Name			
	Attorney Docket Number	BINDER-014-US28		

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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	5555498	A	1996-09-10	CHARLES J. BERRA		
	2	6957133	B1	2005-10-18	Robert Hunt		
	3	7904219	B1	2011-03-08	Larkin H. Lowrey		
	4	7103460	B1	2006-09-05	David S. Breed		
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	1	20140215491	A1	2014-07-31	Sateesh K. Addepalli		
	2	20100071053	A1	2010-03-18	Amir Ansari		

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	Examiner Name			
	Attorney Docket Number	BINDER-014-US28		

	3	20070021847	A1	2007-01-25	Akihiko Hyodo	
	4	20110153149	A1	2011-06-23	Hong Seok Jeon	
	5	20090138136	A1	2009-05-28	Akihiro Natsume	
	6	20060111825	A1	2006-05-25	Minoru Okada	
	7	20080100428	A1	2008-05-01	Sherry D. Price	
	8	20070198144	A1	2007-08-23	William Robert Norris	
	9	20030009271	A1	2003-01-09	Susumu Akiyama	
	10	20100211258	A1	2010-08-19	Kohei SAKURAI	
	11	20100030421	A1	2010-02-04	Kentaro YOSHIMURA	
	12	20150046582	A1	2015-02-12	David C. Gelvin	
	13	20070069947	A1	2007-03-29	Matthew Banet	

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	14	20100023198	A1	2010-01-28	Brennan Todd Hamilton	
	15	20030093199	A1	2003-05-15	Michael Mavreas	
	16	20030130774	A1	2003-07-10	Pradeep R. Tripathi	
	17	20080122288	A1	2008-05-29	James Plante	
	18	20050146458	A1	2005-07-07	Steve Douglas Carmichael	
	19	20060025897	A1	2006-02-02	Oleksandr T. Shostak	
	20	20100305807	A1	2010-12-02	Otman A. Basir	
	21	20070038461	A1	2007-02-15	Lisa Abbott	
	22	20080215336	A1	2008-09-04	Christopher L. Oesterling	
	23	20120212341	A1	2012-08-23	Bernd Siber	
	24	20110118934	A1	2011-05-19	Larkin H. Lowrey	

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	25	20020103576	A1	2002-08-01	Seiichi Takamura	
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	1	2011051022	WO	A1	2011-05-05	SIBER BERND		☐

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Signature	/Yehuda Binder/	Date (YYYY-MM-DD)	2024-05-28
Name/Print	Yehuda Binder	Registration Number	73612

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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.
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	Filing Date	2024-05-28
	First Named Inventor	Yehuda BINDER
	Art Unit	2457
	Examiner Name	Meky
	Attorney Docket Number	BINDER-014-US28

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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	9047857		2015-06-02	Barton; William F.		
	2	9401140		2016-07-26	Weber; Frederick V. et al.		
	3	9424840		2016-08-23	Hart; Gregory Michael et al.		
	4	9786294		2017-10-10	Bezos; Jeffrey P. et al.		
	5	8855295		2014-10-07	Chhetri; Amit S. et al.		
	6	9689960		2017-06-27	Barton; William Folwell et al.		
	7	9947333		2018-04-17	David; Tony		
	8	9698999		2017-07-04	Mutagi; Rohan		

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	First Named Inventor	Yehuda BINDER		
	Art Unit	2457		
	Examiner Name	Meky		
	Attorney Docket Number	BINDER-014-US28		

	9	9754591		2017-09-05	Kumar; Nishant et al.	
	10	10026401		2018-07-17	Mutagi; Rohan et al.	
	11	10031722		2018-07-24	Mutagi; Rohan et al.	

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Name/Print	Yehuda BINDER	Registration Number	73612

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	1	20130121239	A1	2013-05-16	John Alson Hicks	
	2	20130048319	A1	2013-02-28	William E. Glaub	
	3	20120236748	A1	2012-09-20	Edwin B. Brownrigg	
	4	20120229283	A1	2012-09-13	Cameron MCKENNA	
	5	20110082599	A1	2011-04-07	Makarand Shinde	

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	6	20090051551	A1	2009-02-26	Hai D. Pham	
	7	20090042533	A1	2009-02-12	Karen D. Lontka	
	8	20080221715	A1	2008-09-11	Paul Krzyzanowski	
	9	20070262847	A1	2007-11-15	Cory L. Grabinger	
	10	20070169080	A1	2007-07-19	Larry Alan Friedman	
	11	20060265195	A1	2006-11-23	Jon A. Woodard	
	12	20050226201	A1	2005-10-13	Brian K. McMillin	
	13	20050154494	A1	2005-07-14	Osman Ahmed	
	14	20040217857	A1	2004-11-04	Gary Lennartz	
	15	20010024163	A1	2001-09-27	Thomas D. Petite	
	16	20120112970	A1	2012-05-10	Ruben Caballero	

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	17	20120303150	A1	2012-11-29	Meenakshi Sundaram Krishnaswamy	
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	1	TP-LINK User Guide TL-POE10R, PoE Splitter, Rev. 3.0.0 Document Number – 7106503409, (Published 2010) (10 pages)	☐

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☐ 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	/Yehuda Binder/	Date (YYYY-MM-DD)	2024-05-28
Name/Print	Yehuda Binder	Registration Number	73612

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:

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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

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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		~~10753884~~	18/675,220
	Filing Date		~~2019-09-04~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit	2457 Meky		
	Examiner Name			
	Attorney Docket Number		BINDER ~~18A (0819-04-09)~~ 014-US2	

U.S.PATENTS						
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	5930201		1999-27-07	Cray; Benjamin A.	
	2	4351192		1982-28-09	Toda et al.	
	3	7239577		2007-03-07	Tenghamn et al.	
	4	7614305		2009-10-11	Yoshioka et al.	
	5	5511547		1996-30-04	Markle , et al.	
	6	6747258		2004-08-06	Benz et al.	
	7	5105087		1992-14-04	Jagielinski; Tomasz M.	
	8	4243631		1981-06-01	Ryerson; John D.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~18/675,220~~	18/675,220
	Filing Date		~~2019-03-01~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit	2457 Meky		
	Examiner Name			
	Attorney Docket Number		BINDER- ~~18A (2018-01-28)~~ 0014-US2	

9	7256466		2007-14-08	Lieber et al.	
10	7898147		2011-01-03	Grabinger et al.	
11	3184842		1965-25-05	Maropis	
12	4019073		1977-19-04	Vishnevsky et al.	
13	4210837		1980-01-07	Vasiliev et al.	
14	3433981		1969-18-03	Boilee	
15	3436630		1969-01-04	Boilee	
16	5965968		1999-12-10	Robert et al.	
17	5552654		1996-03-09	Konno et al.	
18	4496149		1985-29-01	Schwartzberg; Robert B.	
19	4516260		1985-07-05	Breedlove et al.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~13723624~~	18/675,220
	Filing Date		~~2013-03-01~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit	3457 Maky		
	Examiner Name			
	Attorney Docket Number		BINDER- ~~134 (2013-01-28)~~ 014-US2	

	20	7414186		2008-19-08	Scarpa et al.	
	21	4968255		1990-06-11	Lee et al.	
	22	4248123		1981-03-02	Bunger et al.	
	23	4796891		1989-10-01	Milner; Ronald E.	
	24	6527811		2003-04-03	Cummings; Charles A.	
	25	4840802		1989-20-06	Rose; William J.	
	26	6132281		2000-17-10	Klitsner et al.	
	27	5349129		1994-20-09	Wisniewski et al.	
	28	7692320		2010-06-04	Lemieux; Aaron Patrick	
	29	5578877		1996-26-11	Tiemann; Jerome J.	
	30	7347421		2010-07-12	Gardner et al.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~10788000~~	18/675,220
	Filing Date		~~2019-03-01~~	05-28-2024
	First Named Inventor	BINDER Yehuda		2457
	Art Unit			Meky
	Examiner Name			
Attorney Docket Number		BINDER-100A (2019-04-26) 5014-US2		

31	7688036		2010-30-03	Yarger et al.	
32	6473609		2002-29-10	Schwartz, et al.	
33	7653573		2010-26-01	Hayes, Jr. et al.	
34	6694316		2004-17-02	Langseth, et al.	
35	7334001		2008-19-02	Eichstaedt et al.	
36	7136482		2006-14-11	Wille; Daniel J.	
37	7557689		2009-07-07	Seddigh et al.	

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U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code1	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20110061460		2011-17-03	SEEGER; JOSEPH ; et al.	
	2	20110219873		2011-15-09	OHTA; Kazunori ; et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~10700000~~	18/675,220
	Filing Date		~~2018-03-01~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit			2457 Meky
	Examiner Name			
	Attorney Docket Number		BINDER- ~~404 (2018-04-26)~~ 014-US2	

3	20110265572		2011-03-11	Hoernes; Frank	
4	20080257050		2008-23-10	Watanabe; Kazuaki	
5	20100242611		2010-30-09	Terazawa; Hidehito	
6	20070264623		2007-15-11	Wang; Wayne ; et al.	
7	20110045523		2011-24-02	Strano; Michael S. ; et al.	
8	20110275544		2011-10-11	Zhou; Chongwu ; et al.	
9	20070256337		2007-08-11	Segan; Marc Howard	
10	20070210580		2007-13-09	Roberts; Stephen ; et al.	
11	20090024759		2009-22-01	McKibben; Michael T. ; et al.	
12	20070214095		2007-13-09	Adams; Kenneth L. ; et al.	
13	20080258913		2008-23-10	Busey; Andrew	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~13793634~~	18/675,220
	Filing Date		~~06-08-01~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit	2457 Meky		
	Examiner Name			
Attorney Docket Number		BINDER- ~~104 (2018-01-28)~~ 014-US2		

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FOREIGN PATENT DOCUMENTS								
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							☐

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NON-PATENT LITERATURE DOCUMENTS			
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	Publication "Security Guidance for Critical Areas of Focus in Cloud Computing V2.1", Prepared by the Cloud Security Alliance, December 2009 (76 pages)	☐
	2	Cisco Systems, Inc. Publication number 1-587005-001-3 (6/99), "Internetworking Technologies Handbook", Chapter 7: "Ethernet Technologies", pages 7-1 to 7-38 (38 pages)	☐
	3	The Standard Microsystems Corporation (SMSC) data-sheet "LAN91C111 10/100 Non-PCI Ethernet Single Chip MAC + PHY" Data-Sheet, Rev. 15 (02-20-04) (127 pages)	☐
	4	A data sheet 'Physical Random number generator RPG100.RPG100B' REV. 08 publication number HM-RAE106-0812, by FDK Corporation (13 pages)	☐
	5	Home Gateway Initiative (HGI) document entitled: "Home Gateway Technical Requirements: Residential Profile", Version 1.0, 29/04/2003 (125 pages)	☐
	6	Paper entitled: "Home Gateway" by Satish Gupta, Wipro Technologies, 2002 (20 pages)	☐

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	~~12722634~~	18/675,220
	Filing Date	~~2018-03-01~~	05-28-2024
	First Named Inventor	BINDER Yehuda	
	Art Unit	2457 Meky	
	Examiner Name		
	Attorney Docket Number	BINDER= ~~40A (2018-04-26) 5~~ 014-US2	

7	The standard "HID Usage Tables", by the USB Implementers' Forum, Version 1.12 (10/28/2004) (168 pages)	☐
8	Publication number 1-587005-001-3 by Cisco Systems, Inc. (6/99) entitled: "Internetworking Technologies Handbook", Chapter 20: "Wireless Technologies" pages 20-1 to 20-42 (42 pages)	☐
9	The white paper entitled: "WiGig White Paper – Defining the Future of Multi-Gigabit Wireless Communications", published by WiGig Alliance, July 2010 (5 pages)	☐
10	"WirelessHD Specifications Version 1.1 Overview", published by the WirelessHD consortium, May 2010 (95 pages)	☐
11	The technical overview entitled: "Enabling Wireless uncompressed HDTV Connectivity with a Unique Video-Modem Approach" by Meir Feder, published by the AMIMON Ltd. (10 pages)	☐
12	The article 'IEEE 802.22: An Introduction to the First Wireless Standard based on Cognitive Radios', by Carlos Cordeiro, Kiran Challapali, Dagnachew Birru, and Sai Shankar, published in the Journal of Communication, Vol. 1, No. 1, April 2006 (10 pages)	☐
13	The presentation 'IEEE 802.22 Wireless Regional Area Networks – Enabling Rural Broadband Wireless Access Using Cognitive Radio Technology', by Apruva N. Mody and Gerald Chouinard, Doc. # IEEE 802.22 – 10/0073r03, June 2010 (16 pages)	☐
14	The document entitled: 'Dynamic Spectrum Access In IEEE 802.22 – Based Cognitive Wireless Networks: A Game Theoretic Model for Competitive Spectrum Bidding and Pricing', by Dusit Niyato, Ekram Hossain and Zhu Han, p. 16-25, published IEEE Wireless Communication April 2009 (8 pages)	☐
15	ECMA International white paper Ecma/TC32-TG19/2005/012 entitled: "Near Field Communication – White paper" (supersedes 2004/001) (12 pages)	☐
16	Rohde&Schwarz White Paper 1MA182_4e entitled: "Near Field Communication (NFC) Technology and Measurements White Paper" (26 pages)	☐
17	The Texas Instrument Application Report No. SLOA101A entitled: "Introduction to the Controller Area Network (CAN)", August 2002–Revised July 2008 (15 pages)	☐

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~18/675,220~~	18/675,220
	Filing Date		~~2019-02-01~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit	2457 Meky		
	Examiner Name			
	Attorney Docket Number		BINDER-40A (2019-04-26) 5014-US2	

18	Jan Kremer Consulting Services (JKCS) white paper entitled: "NFC - Near Field Communication – White paper" (44 pages)	☐
19	RFC 2544 entitled: "Benchmarking Methodology for Network Interconnect Devices", March 1999 (32 pages)	☐
20	ITU-T Y.1564 entitled: "Ethernet Service Activation Test Methodology", 03/2011 (38 pages)	☐
21	ISO 11992-1 International Standard, "Part 1: Physical layer and data-link layer", Second edition, 2003-04-15 (28 pages)	☐
22	"LIN Specification Package – Revision 2.2A" by the LIN Consortium, December 31, 2010 (194 pages)	☐
23	The presentation entitled: "Introduction to On Board Diagnostics (II)" downloaded on 11/2012 from: http://groups.eng.n.umd.umich.edu/vi/w2_workshops/OBD_ganesan_w2.pdf (148 pages)	☐
24	The Society of Automotive Engineers (SAE) J1962 standard, June 1992 (8 pages)	☐
25	SAE J1850, Implementing the J1850 Protocol, D. John Oliver, Intel Corporation (15 pages)	☐
26	SAE J1979, International Surface Vehicle Standard entitled: "E/E Diagnostic Test Modes - Equivalent to ISO/DIS 15031-5:April 30, 2002", Issued: 1991-12; Revised: 2002-04 (159 pages)	☐
27	The ISO 15765-1 standard entitled: "Road vehicles — Diagnostics on Controller Area Networks (CAN) - Part 1: General information", First Edition, 2004-03-15 (8 pages)	☐
28	The ISO 15765-3 standard entitled: "Road vehicles — Diagnostics on Controller Area Networks (CAN) - Part 3: Implementation of unified diagnostic services (UDS on CAN)", First Edition, 2004-10-15 (100 pages)	☐

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~18/675,220~~	18/675,220
	Filing Date		~~2019-03-01~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit	2457 Melky		
	Examiner Name			
	Attorney Docket Number	BINDER-40A (2019-04-26) 2014-US2		

29	J1939-11 Surface Vehicle Recommended Practice entitled: "Physical Layer, 250K bits/s, Twisted Shielded Pair", Issued: 1994-12; Revised: 1999-10 (31 pages)	☐
30	J1939-15 Surface Vehicle Recommended Practice entitled: "Reduced Physical Layer, 250K bits/s, Un-Shielded Twisted Pair (UTP)", Issued: 2003-11 (19 pages)	☐
31	J1939-21 Surface Vehicle Recommended Practice entitled: "Data Link Layer", Issued: 1994-07; Revised: 2001-04 (47 pages)	☐
32	J1939-31 Surface Vehicle Recommended Practice entitled: "Network Layer", Issued: 1994-12; Revised: 2004-04 (27 pages)	☐
33	J1939-81 Surface Vehicle Recommended Practice entitled: "Network Management", Issued: 1997-07; Revised: 2003-05 (39 pages)	☐
34	J1939-71 Surface Vehicle Recommended Practice entitled: "Vehicle Application Layer (through December 2004)", Issued: 1994-08; Revised: 2006-06 (686 pages)	☐
35	J1939-73 Surface Vehicle Recommended Practice entitled: "Application Layer - Diagnostics", Issued: 1996-02; Revised: 2006-09 (156 pages)	☐
36	J1939-74 Surface Vehicle Recommended Practice entitled: "Application - Configurable Messaging", Issued: 2004-09 (36 pages)	☐
37	J1939-75 Surface Vehicle Recommended Practice entitled: "Application Layer - Generator Sets and Industrial", Issued: 2002-12 (37 pages)	☐
38	"EDBO/OBDII to RS-232 gateway OE90C4000", by OZEN Elektronik (25 pages)	☐
39	SAE J2411 Surface Vehicle Recommended Practice entitled: "Single Wire CAN Network for Vehicle Applications", Issued: 2000-02 (33 pages)	☐

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.M.M/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		~~10700001~~	18/675,220
	Filing Date		~~06-16-2021~~	05-28-2024
	First Named Inventor	BINDER Yehuda		
	Art Unit	2457 Meky		
	Examiner Name			
	Attorney Docket Number		BINDER-404 (~~2018-04-26~~) 5014-US2	

40	ISO 11898-2, International Standard, "Road vehicles — Controller area network (CAN) — Part 2: High-speed medium access unit", First edition, 2003-12-01 (26 pages)	☐
41	ISO 11898-4, International Standard, "Road vehicles — Controller area network (CAN) — Part 4: Time-triggered communication", First edition, 2004-08-01 (40 pages)	☐
42	Publication by Cisco Systems, Inc. (6/99) entitled: "Internetworking Technologies Overview", Chapter 5: "Routing Basics", pages 5-1 to 5-8 (8 pages)	☐
43	Publication by Cisco Systems, Inc. (6/99) entitled: "Internetworking Technologies Overview", Chapter 30: "Internet Protocols" pages 30-1 to 30-16 (16 pages)	☐
44	IEEE Std 802.11a-1999(R2003), "Supplement to IEEE Standard for Information technology - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications High-speed Physical Layer in the 5 GHz Band", Reaffirmation 12 June 2003 (91 pages)	☐
45	IEEE Std 802.11b-1999 (R2003), "Supplement to IEEE Standard for Information technology - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications: Higher-Speed Physical Layer Extension in the 2.4 GHz Band", Approved 16 September 1999, Reaffirmation 12 June 2003 (96 pages)	☐
46	IEEE Std 802.11g™-2003, "IEEE Standard for Information technology - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications Amendment 4: Further Higher Data Rate Extension in the 2.4 GHz Band" Published by IEEE on 27 June 2003 (78 pages)	☐
47	IEEE Std 802.15.3™-2003, "IEEE Standard for Information technology - Part 15.3: Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for High Rate Wireless Personal Area Networks (WPANs)", Published by IEEE on 29 September 2003 (324 pages)	☐
48	ITU-T H.323 entitled: "Packet-based multimedia communications systems", 12/2009 (320 pages)	☐
49	ITU-T H.264 entitled: "Advanced video coding for generic audiovisual services", 01/2012 (680 pages)	☐
50	ITU-T G.9961 entitled: "Unified high-speed wire-line based home networking transceivers — Data link layer specification", 06/2010 (220 pages)	☐

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	~~10700004~~	18/675,220
	Filing Date	~~2019-02-01~~	05-28-2024
	First Named Inventor	BINDER Yehuda	2457
	Art Unit		Meky
	Examiner Name		
	Attorney Docket Number	BINDER- ~~104 (2018-01-28)~~	014-US2

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Examiner Signature	/MOUSTAFA M MEKY/	Date Considered	03/16/2025
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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		
	Filing Date		
	First Named Inventor	Yehuda Binder	
	Art Unit		
	Examiner Name		
	Attorney Docket Number	BINDER-014-US2	

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	/Yehuda Binder/	Date (YYYY-MM-DD)	~~2016-11-27~~ 2024-05-28
Name/Print	Yehuda Binder	Registration Number	73612
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.			

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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.
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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.