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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/221,908	06/09/2020	10679674	ASA-10782-06	6217

24956 7590 05/20/2020
MATTINGLY & MALUR, PC
1800 DIAGONAL ROAD
SUITE 210
ALEXANDRIA, VA 22314

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

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

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site http://pair.uspto.gov for additional applicants):

Maxell, Ltd., Kyoto, JAPAN;
Susumu YOSHIDA, Kawasaki, JAPAN;
Junji SHIOKAWA, Chigasaki, JAPAN;
Hiroo OKAMOTO, Yokohama, JAPAN;

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IR103 (Rev. 10/09)

PART B - FEE(S) TRANSMITTAL

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

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

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

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

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

24956 7590 01/30/2020
MATTINGLY & MALUR, PC
1800 DIAGONAL ROAD
SUITE 210
ALEXANDRIA, VA 22314

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

Certificate of Mailing or Transmission

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

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/221,908	12/17/2018	Susumu YOSHIDA	ASA-10782-06	6217

TITLE OF INVENTION: EDITING METHOD AND RECORDING AND REPRODUCING DEVICE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1000	$0.00	$0.00	$1000	04/30/2020

EXAMINER	ART UNIT	CLASS-SUBCLASS
ZHAO, DAQUAN	2484	386-241000

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

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

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

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

1 Mattingly & Malur, PC
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: Maxell, Ltd.

(B) RESIDENCE: (CITY and STATE OR COUNTRY): Kyoto, Japan

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

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

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

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

☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. 501417

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 /John R. Mattingly/ Date April 29, 2020

Typed or printed name John R. Mattingly Registration No. 30293

Maxell, Ltd.
Ex. 2012
Page 2 of 167

Electronic Patent Application Fee Transmittal

Application Number:	16221908
Filing Date:	17-Dec-2018
Title of Invention:	EDITING METHOD AND RECORDING AND REPRODUCING DEVICE
First Named Inventor/Applicant Name:	Susumu YOSHIDA
Filer:	John Roberts Mattingly/Krista Hargrove
Attorney Docket Number:	ASA-10782-06

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
UTILITY APPL ISSUE FEE	1501	1	1000	1000

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**1000**

Electronic Acknowledgement Receipt	
EFS ID:	39295046
Application Number:	16221908
International Application Number:	
Confirmation Number:	6217
Title of Invention:	EDITING METHOD AND RECORDING AND REPRODUCING DEVICE
First Named Inventor/Applicant Name:	Susumu YOSHIDA
Customer Number:	24956
Filer:	John Roberts Mattingly/Krista Hargrove
Filer Authorized By:	John Roberts Mattingly
Attorney Docket Number:	ASA-10782-06
Receipt Date:	29-APR-2020
Filing Date:	17-DEC-2018
Time Stamp:	11:34:26
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$1000
RAM confirmation Number	E20204SB34485695
Deposit Account	501417
Authorized User	Krista Hargrove
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.16 (National application filing, search, and examination fees) 37 CFR 1.17 (Patent application and reexamination processing fees)	

37 CFR 1.19 (Document supply fees)

37 CFR 1.20 (Post Issuance fees)

37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	10782-06-issuefeetransmittal.pdf	96477 9f99ce6f8a8297cc2c592f8647b2dc88ac30ad5f	no	1
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30390 cea2d0a5d2e5c2ffb374b399c6d5b83ca20883f5	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	126867		

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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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16/221,908	12/17/2018	Susumu YOSHIDA	ASA-10782-06	6217

24956 7590 02/28/2020
MATTINGLY & MALUR, PC
1800 DIAGONAL ROAD
SUITE 210
ALEXANDRIA, VA 22314

EXAMINER
ZHAO, DAQUAN

ART UNIT	PAPER NUMBER
2484	

NOTIFICATION DATE	DELIVERY MODE
02/28/2020	ELECTRONIC

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

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

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

ptomail@mmiplaw.com

PTOL-90A (Rev. 04/07)

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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR/ PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
16/221,908	12/17/2018	YOSHIDA et al.	ASA-10782-06

		EXAMINER	
MATTINGLY & MALUR, PC **1800 DIAGONAL ROAD SUITE 210** **ALEXANDRIA, VA 22314**		DAQUAN ZHAO	
		ART UNIT	**PAPER**
		2484	20200225

DATE MAILED: _____

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

Commissioner for Patents

Ids filed on 2/18/2020 has been considered.	
/DAQUAN ZHAO/ Primary Examiner, Art Unit 2484	

PTO-90C (Rev.04-03)

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

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	16221908
	Filing Date	2018-12-17
	First Named Inventor	YOSHIDA, S.
	Art Unit	2484
	Examiner Name	ZHAO, D.
	Attorney Docket Number	ASA-10782-06

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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
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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]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /D.Z/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
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	Filing Date	2018-12-17
	First Named Inventor	YOSHIDA, S.
	Art Unit	2484
	Examiner Name	ZHAO, D.
	Attorney Docket Number	ASA-10782-06

	1	Fandango Media, LLC v. Maxell, Ltd., Petition for Inter Partes Review of U.S. Patent No. 9,384,783, Inter Partes Review No. IPR2018-01432 Final Written Decision entered February 10, 2020

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

EXAMINER SIGNATURE

Examiner Signature	/DAQUAN ZHAO/	Date Considered	02/25/2020

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

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

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /D.Z/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	16221908
	Filing Date	2018-12-17
	First Named Inventor	YOSHIDA, S.
	Art Unit	2484
	Examiner Name	ZHAO, D.
	Attorney Docket Number	ASA-10782-06

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	/John R. Mattingly/	Date (YYYY-MM-DD)	2020-02-18
Name/Print	John R. Mattingly	Registration Number	30,293

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.

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

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

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

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

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

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

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /D.Z/

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	16221908
Filing Date	2018-12-17
First Named Inventor	YOSHIDA, S.
Art Unit	2484
Examiner Name	ZHAO, D.
Attorney Docket Number	ASA-10782-06

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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
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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
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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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EXAMINER SIGNATURE

Examiner Signature		Date Considered	

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	Attorney Docket Number	ASA-10782-06

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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

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Signature	/John R. Mattingly/	Date (YYYY-MM-DD)	2020-02-18
Name/Print	John R. Mattingly	Registration Number	30,293

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

Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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

Electronic Patent Application Fee Transmittal

Application Number:	16221908
Filing Date:	17-Dec-2018
Title of Invention:	EDITING METHOD AND RECORDING AND REPRODUCING DEVICE
First Named Inventor/Applicant Name:	Susumu YOSHIDA
Filer:	John Roberts Mattingly/Emily Jans
Attorney Docket Number:	ASA-10782-06

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
SUBMISSION- INFORMATION DISCLOSURE STMT	1806	1	240	240
		Total in USD ($)		**240**

Electronic Acknowledgement Receipt	
EFS ID:	38609376
Application Number:	16221908
International Application Number:	
Confirmation Number:	6217
Title of Invention:	EDITING METHOD AND RECORDING AND REPRODUCING DEVICE
First Named Inventor/Applicant Name:	Susumu YOSHIDA
Customer Number:	24956
Filer:	John Roberts Mattingly/Emily Jans
Filer Authorized By:	John Roberts Mattingly
Attorney Docket Number:	ASA-10782-06
Receipt Date:	18-FEB-2020
Filing Date:	17-DEC-2018
Time Stamp:	11:42:00
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$240
RAM confirmation Number	E20202HB42251168
Deposit Account	501417
Authorized User	Emily Jans
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.16 (National application filing, search, and examination fees) 37 CFR 1.17 (Patent application and reexamination processing fees)	

37 CFR 1.19 (Document supply fees)

37 CFR 1.20 (Post Issuance fees)

37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	10782-06-NoticeofIPR.pdf	18222 08521a9802a32ab865b9c67ba3e99eca6dd286e0	no	1
Warnings:					
Information:					
2	Information Disclosure Statement (IDS) Form (SB08)	10782-06-SB08A-IPR.pdf	1034314 b3f165e5aa85754cb571cdf69920fd0f44d1e474	no	4
Warnings:					
Information:					
A U.S. Patent Number Citation or a U.S. Publication Number Citation is required in the Information Disclosure Statement (IDS) form for autoloading of data into USPTO systems. You may remove the form to add the required data in order to correct the Informational Message if you are citing U.S. References. If you chose not to include U.S. References, the image of the form will be processed and be made available within the Image File Wrapper (IFW) system. However, no data will be extracted from this form. Any additional data such as Foreign Patent Documents or Non Patent Literature will be manually reviewed and keyed into USPTO systems.					
3	Non Patent Literature	W2496-06EU_IPR2018-01432FinalWrittenDecision.pdf	814118 740975f48dd8afa01ff789eb527d7adaf5eb1bd0	no	49
Warnings:					
Information:					
4	Fee Worksheet (SB06)	fee-info.pdf	30527 7a7b49ac0bc962231723ab7a5fb86c71deeba0fd	no	2
Warnings:					
Information:					
			Total Files Size (in bytes):	1897181	

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

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.
National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.
New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Atty. Docket No. ASA-10782-06

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.	: 16/221,908	Confirmation No.	: 6217
Applicant	: Maxell, Ltd.	TC/GAU	: 2484
Filed	: December 17, 2018	Examiner	: ZHAO, D.
Title	: EDITING METHOD AND RECORDING AND REPRODUCING DEVICE		

Customer No.: 24956

NOTICE OF RELATED PATENTS INVOLVED IN *INTER PARTES* REVIEW

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

February 18, 2020

Sir:

Applicant notifies the Office of one related U.S. Patent No. which claims priority under 35 U.S.C. 120 and is involved in the following *Inter Partes* Review proceeding:

1. 9,384,783 which matured from application 12/567,898.

Fandango Media, LLC v. Maxell, Ltd., Petition for *Inter Partes* Review of U.S. Patent No. 9,384,783, *Inter Partes* Review No. IPR2018-01432.

Respectfully submitted,

MATTINGLY & MALUR, PC

/John R. Mattingly/
John R. Mattingly, Reg. No. 30,293
(703) 684-1120

UNITED STATES PATENT AND TRADEMARK OFFICE

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

NOTICE OF ALLOWANCE AND FEE(S) DUE

24956 7590 01/30/2020
MATTINGLY & MALUR, PC
1800 DIAGONAL ROAD
SUITE 210
ALEXANDRIA, VA 22314

EXAMINER
ZHAO, DAQUAN

ART UNIT	PAPER NUMBER
2484	

DATE MAILED: 01/30/2020

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/221,908	12/17/2018	Susumu YOSHIDA	ASA-10782-06	6217

TITLE OF INVENTION: EDITING METHOD AND RECORDING AND REPRODUCING DEVICE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1000	$0.00	$0.00	$1000	04/30/2020

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

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

HOW TO REPLY TO THIS NOTICE:

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

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

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

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

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

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

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

PTOL-85 (Rev. 02/11)

Maxell, Ltd.
Ex. 2012
Page 23 of 167

PART B - FEE(S) TRANSMITTAL

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

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

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

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

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

24956 7590 01/30/2020
MATTINGLY & MALUR, PC
1800 DIAGONAL ROAD
SUITE 210
ALEXANDRIA, VA 22314

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

Certificate of Mailing or Transmission

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

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/221,908	12/17/2018	Susumu YOSHIDA	ASA-10782-06	6217

TITLE OF INVENTION: EDITING METHOD AND RECORDING AND REPRODUCING DEVICE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1000	$0.00	$0.00	$1000	04/30/2020

EXAMINER	ART UNIT	CLASS-SUBCLASS
ZHAO, DAQUAN	2484	386-241000

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

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

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

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

1_____
2_____
3_____

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

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

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

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

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

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

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

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

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

❑ Applicant certifying micro entity status. See 37 CFR 1.29

❑ Applicant asserting small entity status. See 37 CFR 1.27

❑ Applicant changing to regular undiscounted fee status.

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

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

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

Maxell, Ltd.
Ex. 2012
Page 24 of 167

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/221,908	12/17/2018	Susumu YOSHIDA	ASA-10782-06	6217

24956 7590 01/30/2020
MATTINGLY & MALUR, PC
1800 DIAGONAL ROAD
SUITE 210
ALEXANDRIA, VA 22314

EXAMINER
ZHAO, DAQUAN

ART UNIT	PAPER NUMBER
2484	

DATE MAILED: 01/30/2020

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

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

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

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

PTOL-85 (Rev. 02/11)

Maxell, Ltd.
Ex. 2012
Page 25 of 167

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

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

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

Privacy Act Statement

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

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

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

Notice of Allowability	Application No. 16/221,908	Applicant(s) YOSHIDA et al.	
	Examiner DAQUAN ZHAO	Art Unit 2484	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 amendment filed on 1/9/2020.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

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

3. ☑ The allowed claim(s) is/are 2-31 . 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. 15/176,735 .
   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____ .

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

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

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

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

Attachment(s)

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

/DAQUAN ZHAO/
Primary Examiner, Art Unit 2484

Maxell, Ltd.
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1. The following is an examiner's statement of reasons for allowance:

Honkaniemi (US 2007/022382) disclose user interface includes items, each item having a media file and arranged to be visible as a thumbnail to the user interface. The item are arrange to establish at least one playlist so that a series of thumbnails are arranged to establish the playlist.

For claims 2 and 10, The prior arts do not disclose or suggest continue to include the video information upon the video information is included in both the first group and the second group after the video information is deleted.

For claims 18 and 24, The prior arts do not disclose or suggest upon the video information is removed from the first group, the video information continues to be included in the second group for the second user profile.

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

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DAQUAN ZHAO whose telephone number is (571)270-1119 or email daquan.zhao1@uspto.gov. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tran Thai Q, can be reached on (571)272-7382. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/DAQUAN ZHAO/
Primary Examiner, Art Unit 2484

Notice of References Cited	Application/Control No. 16/221,908	Applicant(s)/Patent Under Reexamination YOSHIDA et al.	
	Examiner DAQUAN ZHAO	Art Unit 2484	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20070022382-A1	01-2007	Honkaniemi; Petteri	G06F16/954	715/733
	B					
	C					
	D					
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/221,908	YOSHIDA et al.
	Examiner	**Art Unit**
	DAQUAN ZHAO	2484

CPC - Searched*		
Symbol	**Date**	**Examiner**

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**
h04n9/80 or g11b27/00 or h04n5/93 or h04n5/92	01/16/2020	dz

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**
386	239,240,278,280,281,282,326,353	01/16/2020	dz

* 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**
USPAT; USPGPUB; USOCR; EPO; JPO; DERWENT; IBM_TDB	01/16/2020	DZ

Interference Search			
US Class/CPC Symbol	**US Subclass/CPC Group**	**Date**	**Examiner**
386	239,240,278,280,281,282,326,353	01/16/2020	dz
	h04n9/80 or g11b27/00 or h04n5/93 or h04n5/92	01/16/2020	dz

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Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/221,908	YOSHIDA et al.
	Examiner	**Art Unit**
	DAQUAN ZHAO	2484

CPC						
Symbol					**Type**	**Version**
G11B	/	27	/	102	F	2013-01-01
G11B	/	27	/	034	I	2013-01-01
G11B	/	27	/	34	I	2013-01-01
H04N	/	5	/	76	I	2013-01-01
H04N	/	9	/	87	I	2013-01-01
G06F	/	3	/	0482	I	2013-01-01
G11B	/	27	/	031	I	2013-01-01
G11B	/	2220	/	2562	A	2013-01-01
H04N	/	9	/	8205	A	2013-01-01

CPC Combination Sets								
Symbol					**Type**	**Set**	**Ranking**	**Version**
	/		/					

NONE (Assistant Examiner)	(Date)	**Total Claims Allowed:** 30	
/DAQUAN ZHAO/ Primary Examiner, Art Unit 2484 (Primary Examiner)	16 January 2020 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 4

U.S. Patent and Trademark Office

Part of Paper No.: 20200116

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/221,908	YOSHIDA et al.
	Examiner	**Art Unit**
	DAQUAN ZHAO	2484

INTERNATIONAL CLASSIFICATION				
CLAIMED				
H04N	/	9	/	80
G11B	/	27	/	00

NON-CLAIMED				
H04N	/	5	/	93
H04N	/	5	/	92

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**
386	239

CROSS REFERENCES(S)						
CLASS	**SUBCLASS (ONE SUBCLASS PER BLOCK)**					
386	240	278	281	282	326	353

NONE (Assistant Examiner)	(Date)	**Total Claims Allowed:** 30	
/DAQUAN ZHAO/ Primary Examiner, Art Unit 2484 (Primary Examiner)	16 January 2020 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 4

U.S. Patent and Trademark Office

Part of Paper No.: 20200116

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/221,908	YOSHIDA et al.
	Examiner	**Art Unit**
	DAQUAN ZHAO	2484

☐ 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
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1	2	10	11	19	20	28	29								
2	3	11	12	20	21	29	30								
3	4	12	13	21	22	30	31								
4	5	13	14	22	23										
5	6	14	15	23	24										
6	7	15	16	24	25										
7	8	16	17	25	26										
8	9	17	18	26	27										

NONE (Assistant Examiner)	(Date)	**Total Claims Allowed:** 30	
/DAQUAN ZHAO/ Primary Examiner, Art Unit 2484 (Primary Examiner)	16 January 2020 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 4

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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S3	1	("8644684").PN.	USPAT; USOCR	OR	OFF	2015/03/23 17:24
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S13	780	fujita.in. and video	USPAT	OR	OFF	2015/03/24 13:18
S14	251	fujita.in. and video same time	USPAT	OR	OFF	2015/03/24 13:18
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S105	1	("10199072").PN.	USPAT; USOCR	OR	OFF	2019/07/05 09:16
S106	1	("9818449").PN.	USPAT; USOCR	OR	OFF	2019/07/05 09:29
S107	1	("9384783").PN.	USPAT; USOCR	OR	OFF	2019/07/05 09:35
S108	1	("8644684").PN.	USPAT; USOCR	OR	OFF	2019/07/05 09:46
S109	1	("7613383").PN.	USPAT; USOCR	OR	OFF	2019/07/05 16:48
S110	58	("20010009007" | "20010023436" | "20010037379" | "20010052127" | "20010056434" | "20020049979" | "20020056098" | "20020069418" | "20020166122" | "20030063897" | "20030088646" | "20030093790" | "20030122861" | "20030149988" | "20040068606" | "20040078383" | "20050193416" | "20060107289" | "20060168147" | "20070022382" | "20070220580" | "4086619" | "4970663" | "5442744" | "5616876" | "5654746" | "5704051" | "5715403" | "5734823" | "5751282" | "5758068" | "5884056" | "6005579" | "6020930" | "6166735" | "6175362" | "6181870" | "6219837" | "6236971" | "6243725" | "6400378" | "6456334" | "6470140" | "6480669" | "6611813" | "6646655" | "6724403" | "6734909" | "6754548" | "6882793" | "6934964" | "7231360" | "7249106" | "7257774" | "7443418" | "7512622" | "7565675" | "8291444").PN.	US-PGPUB; USPAT	OR	OFF	2019/07/05 17:02
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S117	225	(OKAMOTO near3 HIROO).IN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/07/05 17:04
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S119	1	("9818449").PN.	USPAT; USOCR	OR	OFF	2020/01/16 10:55
S120	1	("7613383").PN.	USPAT; USOCR	OR	OFF	2020/01/16 11:01
S121	1	("8644684").PN.	USPAT; USOCR	OR	OFF	2020/01/16 11:03
S122	1	("9384783").PN.	USPAT; USOCR	OR	OFF	2020/01/16 11:03
S123	1	("9818449").PN.	USPAT; USOCR	OR	OFF	2020/01/16 11:04
S124	1	("10199072").PN.	USPAT; USOCR	OR	OFF	2020/01/16 11:06

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L10	14	(delete$5 same thumbnail same includ$5 same video).CLM.	US-PGPUB; USPAT	OR	OFF	2020/01/16 14:29
L11	14	(delete$5 same thumbnail same includ$5 same video).CLM.	US-PGPUB; USPAT	OR	OFF	2020/01/16 14:29
L12	0	((delete$5 or remov$5) near5 video same group and thumbnail and tag and classification).CLM.	US-PGPUB; USPAT	OR	OFF	2020/01/16 14:33
S59	131	(video near20 (delet$5 or eras$5 or remov$3) and menu).CLM.	US-PGPUB; USPAT	OR	OFF	2016/05/15 12:59

S60	7	(video near20 (delet$5 or eras$5 or remov$3) and menu and thumbnail).CLM.	US-PGPUB; USPAT	OR	OFF	2016/05/15 13:00
S61	3	(video near20 (delet$5 or eras$5 or remov$3) and menu and thumbnail and area).CLM.	US-PGPUB; USPAT	OR	OFF	2016/05/15 13:00
S77	148	(delete$5 same thumbnail).CLM.	US-PGPUB; USPAT	OR	OFF	2017/06/28 13:33
S78	10	(delete$5 same thumbnail same includ$5 same video).CLM.	US-PGPUB; USPAT	OR	OFF	2017/06/28 13:34
S86	10	(delete$5 same thumbnail same includ$5 same video).CLM.	US-PGPUB; USPAT	OR	OFF	2017/07/10 11:21
S87	9	(video near20 (delet$5 or eras$5 or remov$3) and menu and thumbnail).CLM.	US-PGPUB; USPAT	OR	OFF	2017/07/10 11:21
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S103	12	(delete$5 same thumbnail same includ$5 same video).CLM.	US-PGPUB; USPAT	OR	OFF	2018/08/29 20:33

1/16/2020 2:33:54 PM
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BIB DATA SHEET

CONFIRMATION NO. 6217

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
16/221,908	12/17/2018 **RULE**	386	2484	ASA-10782-06

APPLICANTS
Maxell, Ltd., Kyoto, JAPAN;

INVENTORS
Susumu YOSHIDA, Kawasaki, JAPAN;
Junji SHIOKAWA, Chigasaki, JAPAN;
Hiroo OKAMOTO, Yokohama, JAPAN;

**** CONTINUING DATA ***************************
This application is a CON of 15/808,175 11/09/2017 PAT 10199072
which is a CON of 15/176,435 06/08/2016 PAT 9818449
which is a CON of 14/141,417 12/26/2013 PAT 9384783
which is a CON of 12/567,898 09/28/2009 PAT 8644684
which is a CON of 11/203,457 08/11/2005 PAT 7613383

**** FOREIGN APPLICATIONS ***************************
JAPAN 2004-378767 12/28/2004
JAPAN 2004-378768 12/28/2004
JAPAN 2004-349264 12/02/2004

**** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ****
01/09/2019

Foreign Priority claimed	☑ Yes ☐ No	☐ Met after Allowance	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
35 USC 119(a-d) conditions met	☑ Yes ☐ No		JAPAN	9	1	1
Verified and Acknowledged	/DAQUAN ZHAO/ Examiner's Signature	Initials				

ADDRESS
MATTINGLY & MALUR, PC
1800 DIAGONAL ROAD
SUITE 210
ALEXANDRIA, VA 22314
UNITED STATES

TITLE
EDITING METHOD AND RECORDING AND REPRODUCING DEVICE

FILING FEE RECEIVED		
3180	FEES: Authority has been given in Paper No._____ to charge/credit DEPOSIT ACCOUNT No._____ for following:	☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit

BIB (Rev. 05/07).

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 16/221,908	Filing Date 12/17/2018	☐ To be Mailed

ENTITY: ☑ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*		x $100 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $460 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED - PART II

	01/09/2020	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
AMENDMENT	Total (37 CFR 1.16(i))	* 30	Minus	** 20	= 10		x $100 =	1000
AMENDMENT	Independent (37 CFR 1.16(h))	* 4	Minus	*** 3	= 1		x $460 =	460
AMENDMENT	☐ Application Size Fee (37 CFR 1.16(s))							
AMENDMENT	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	1460

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
AMENDMENT	Total (37 CFR 1.16(i))	*	Minus	**	=		x $0 =	
AMENDMENT	Independent (37 CFR 1.16(h))	*	Minus	***	=		x $0 =	
AMENDMENT	☐ Application Size Fee (37 CFR 1.16(s))							
AMENDMENT	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.	LIE
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".	/TRACEY M YOUNG/
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".	
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.	

This collection of information is required by 37 CFR 1.16. 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 12 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, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Maxell, Ltd.

Confirmation No.: 6217

Serial No. : 16/221,908

Filed : December 17, 2018

For : EDITING METHOD AND RECORDING AND REPRODUCING DEVICE

Group : 2484

Examiner : Daquan ZHAO

Docket No. : ASA-10782-06

Customer No.: 24956

AMENDMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

January 9, 2020

Sir:

In response to the Office Action mailed July 10, 2019, please amend the above-identified patent application as follows.

Amendments to the Claims begin on page 2 of this paper.

Remarks begin on page 19 of this paper.

Electronic Patent Application Fee Transmittal

Application Number:	16221908
Filing Date:	17-Dec-2018
Title of Invention:	EDITING METHOD AND RECORDING AND REPRODUCING DEVICE
First Named Inventor/Applicant Name:	Susumu YOSHIDA
Filer:	John Roberts Mattingly/Krista Hargrove
Attorney Docket Number:	ASA-10782-06

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
CLAIMS IN EXCESS OF 20	1202	10	100	1000
INDEPENDENT CLAIMS IN EXCESS OF 3	1201	1	460	460
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Extension - 3 months with $0 paid	1253	1	1400	1400
Miscellaneous:				
		Total in USD ($)		**2860**

Electronic Acknowledgement Receipt	
EFS ID:	38245072
Application Number:	16221908
International Application Number:	
Confirmation Number:	6217
Title of Invention:	EDITING METHOD AND RECORDING AND REPRODUCING DEVICE
First Named Inventor/Applicant Name:	Susumu YOSHIDA
Customer Number:	24956
Filer:	John Roberts Mattingly/Krista Hargrove
Filer Authorized By:	John Roberts Mattingly
Attorney Docket Number:	ASA-10782-06
Receipt Date:	09-JAN-2020
Filing Date:	17-DEC-2018
Time Stamp:	10:53:05
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$2860
RAM confirmation Number	E202019A53246202
Deposit Account	501417
Authorized User	Krista Hargrove
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.16 (National application filing, search, and examination fees) 37 CFR 1.17 (Patent application and reexamination processing fees)	

37 CFR 1.19 (Document supply fees)

37 CFR 1.20 (Post Issuance fees)

37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		10782-06-AMD01.pdf	92964 6004fc1f3ef4714481e82bc09c972b4f8449623a	yes	20
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Applicant Arguments/Remarks Made in an Amendment		19	20	
	Claims		2	18	
	Amendment/Req. Reconsideration-After Non-Final Reject		1	1	
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	34451 55736904e2e18297253d284c238683e780966fac	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	127415		

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

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.
National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.
New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

REMARKS

Claim 2-31 are pending in this application. Claim 1 has been canceled without prejudice and without disclaimer. New claims 2-31 have been added. No new matter has been added.

Claim for Priority

Applicants appreciate the Examiner's acknowledgement of the claim for foreign priority and the safe receipt of the certified priority document.

Information Disclosure Statement

Applicants appreciate the Examiner's consideration of the references submitted in the Information Disclosure Statement filed December 17, 2018.

Rejections Under 35 U.S.C. §112

Claim 1 has been interpreted under 35 U.S.C. §112, sixth paragraph.

It is submitted that pending claims 2-31 do not invoke interpretation under 35 U.S.C. §112, sixth paragraph.

Rejections Under 35 U.S.C. § 101

The Examiner has rejected claim 1 under 35 U.S.C. §101 as claiming the same invention as that of claim 1 of prior U.S. Patent No. 10,199,072.

It is submitted that pending claims 2-31 render the rejection under 35 U.S.C. §101 moot.

Conclusion

In view of the foregoing amendments and remarks, Applicants request reconsideration of the rejection and allowance of the claims.

The Commissioner is authorized to charge any shortage in the fees due, or credit any overpayment, to Deposit Account No. 50-1417 (referencing Attorney Docket No. ASA-10782-06).

Respectfully submitted,

MATTINGLY & MALUR, PC

/John R. Mattingly/
John R. Mattingly
Registration No. 30,293
703-684-1120

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Canceled).

2. (New) An information processing apparatus comprising:

a network interface;

a recording medium on which is stored a plurality of video information including first video information received wirelessly by the network interface over a network from another information processing apparatus, wherein at least some of the plurality of video information is associated with a user profile;

a display; and

a processor for controlling the display to display:

a first area including a first tag associated with a first group of video information for a first classification and a second tag associated with a second group of video information for a second classification different from the first classification, the first group of video information being configured to allow a user to edit, wherein the first group of video information and the second group of video information are part of the plurality of stored video information, and

a second area displaying thumbnails corresponding to at least a portion of the plurality of stored video information,

wherein user selection of the first tag enables the display of a first group of thumbnails corresponding to the first group of video information in the second area,

wherein user selection of the second tag enables the display of a second group of thumbnails corresponding to the second group of video information in the second area,

wherein, upon one video information stored on the recording medium included in both the first group of video information and the second group of video information being deleted from the first group of video information, the one video information continues to be included in the second group of video information and the processor controls the display to display a thumbnail corresponding to the one video information as one of the second group of thumbnails when the second tag is selected, and

wherein the processor generates a folder of second video information based on user preferences determined by a plurality of user selections of the thumbnails displayed in the second area, and

wherein, upon user selection of the folder, the processor controls the display to display thumbnails that correspond to the second video information and no other thumbnails associated with video information of other users.

3. (New) The information processing apparatus of claim 2, further comprising:

an antenna for wirelessly receiving the first video information from the other information processing apparatus.

4. (New) The information processing apparatus of claim 2,

wherein the plurality of stored video information includes third video information recorded by the information processing apparatus, fourth video information, and fifth video information,

wherein the display displays a user interface having thumbnails corresponding to each of the third, fourth, and fifth video information, and

wherein the processor generates a list of video information including the third, fourth, and fifth video information based on one or more user selections of the corresponding thumbnails.

5. (New) The information processing apparatus of claim 4,

wherein the third video information, the fourth video information, and the fifth video information are organized in the list of video information to have a playback sequence based on an order selected via the one or more user selections.

6. (New) The information processing apparatus of claim 5,

wherein the display displays the third, fourth, and fifth video information included in the list according to the playback sequence selected by the user.

7. (New) The information processing apparatus of claim 2,

wherein the plurality of stored video information includes third video information, fourth video information, and fifth video information,

wherein the plurality of stored video information includes management information corresponding to the third, fourth, and fifth video information,

wherein the management information includes filename information and timing information for each of the third, fourth, and fifth video information such that when the third, fourth, and fifth video information is stored in the recording medium the filename information is updated according to a predetermined sequence.

8. (New) The information processing apparatus of claim 2, further comprising:

an analog to digital converter for converting analog audio information being recorded into digital audio information;

a compressor for compressing the plurality of video information including digital video information and the digital audio information;

a decoder for decoding, during playback, the compressed digital video information and the compressed digital audio information included in the plurality of stored video information and selected for reproduction by the user; and

a digital to analog converter for converting at least the decoded digital audio information into analog audio information during playback.

9. (New) The information processing apparatus of claim 2, further comprising:

an on screen display generator generating on screen display information, wherein the plurality of stored video information includes third video information such that, upon selection for playback, the third video information is outputted with the on screen display information for display of the third video information and the on screen display information.

10. (New) An information processing method implemented on an information processing apparatus, the information processing method comprising:

storing a plurality of video information including first video information received wirelessly by a network interface over a network from another information processing apparatus, wherein at least some of the plurality of video information is associated with a user profile; and

displaying:

a first area including a first tag associated with a first group of video information for a first classification and a second tag associated with a second group of video information for a second classification different from the first classification, the first group of video information being configured to allow a user to edit, wherein the first group of video information and the second group of video information are part of the plurality of stored video information, and

a second area displaying thumbnails corresponding to at least a portion of the plurality of stored video information,

wherein user selection of the first tag enables the display of a first group of thumbnails corresponding to the first group of video information in the second area, and

wherein user selection of the second tag enables the display of a second group of thumbnails corresponding to the second group of video information in the second area;

upon one video information stored on the recording medium included in both the first group of video information and the second group of video information being deleted from the first group of video information, the one video information continues to be included in the second group of video information, and displaying a thumbnail corresponding to the one video information as one of the second group of thumbnails when the second tag is selected;

generating a folder of second video information based on user preferences determined by a plurality of user selections of the thumbnails displayed in the second area; and

upon user selection of the folder, displaying thumbnails that correspond to the second video information and no other thumbnails associated with video information of other users.

11. (New) The information processing method of claim 10, further comprising:

wirelessly receiving the first video information from the other information processing apparatus via an antenna of the information processing apparatus.

12. (New) The information processing method of claim 10,

wherein the plurality of stored video information includes third video information recorded by the information processing apparatus, fourth video information, and fifth video information,

wherein the information processing apparatus displays a user interface having thumbnails corresponding to each of the third, fourth, and fifth video information, and

wherein the information processing apparatus generates a list of video information including the third, fourth, and fifth video information based on one or more user selections of the corresponding thumbnails.

13. (New) The information processing method of claim 12,

wherein the third video information, the fourth video information, and the fifth video information are organized in the list of video information to have a playback sequence based on an order selected via the one or more user selections.

14. (New) The information processing method of claim 13,

wherein the information processing apparatus displays the third, fourth, and fifth video information included in the list according to the playback sequence selected by the user.

15. (New) The information processing method of claim 10,

wherein the plurality of stored video information includes third video information, fourth video information, and fifth video information,

wherein the plurality of stored video information includes management information corresponding to the third, fourth, and fifth video information,

wherein the management information includes filename information and timing information for each of the third, fourth, and fifth video information such that when the third, fourth, and fifth video information is stored in the recording medium the filename information is updated according to a predetermined sequence.

16. (New) The information processing method of claim 10, further comprising:

converting, by an analog to digital converter of the information processing apparatus, analog audio information being recorded into digital audio information;

compressing, by a compressor of the information processing apparatus, the plurality of video information including digital video information and the digital audio information;

decoding, during playback and by a decoder of the information processing apparatus, the compressed digital video information and the compressed digital audio information included in the plurality of stored video information and selected for reproduction by the user; and

converting, by a digital to analog converter of the information processing apparatus, at least the decoded digital audio information into analog audio information during playback.

17. (New) The information processing method of claim 10, further comprising:

generating, by the information processing apparatus, on screen display information,

wherein the plurality of stored video information includes third video information such that, upon selection for playback, the third video information is outputted with the on screen display information for display of the third video information and the on screen display information.

18. (New) A method for reproducing video content associated with user profiles being implemented on an information processing apparatus, comprising:

receiving, via a network, first video information wirelessly from a device external to the information processing apparatus, the first video information being received including second video information that is encrypted;

displaying, on a display device, a first user interface for a user to select a user profile from among a plurality of user profiles including a first user profile associated with a first tag and a second user profile associated with a second tag, the plurality of user profiles being associated with video information and the first user interface including an option for a user to select the first user profile from the plurality of user profiles by selecting the first tag;

receiving a selection of the first user profile;

displaying, in response to the selection, a second user interface for a user to select desired video information to be reproduced from among the first video information, the second user interface being associated with the first user profile and displaying the first tag, the first tag associated with a first group of video information and indicating an identity of the user of the first user profile, the second user interface further displaying thumbnails corresponding to the first group of video information;

displaying the second tag and a second group of thumbnails corresponding to a second group of video information associated with the second user profile when the second tag shown in the first user interface is selected, the first group of video information and the second group of video information including one video information that is the same;

receiving a selection to remove the one video information from the first group of video information associated with the first user profile;

removing the one video information from the first group of video information, wherein, upon the one video information being removed from the first group of video information, the one video information continues to be included in the second group of video information for the second user profile and the second group of thumbnails continues to display a thumbnail corresponding to the one video information when the second tag is selected;

receiving a selection of desired video information based on a selection of a thumbnail from the first group of thumbnails, the desired video information included in the second video information;

decrypting video information corresponding to the selected thumbnail; and

displaying the decrypted video information.

19. (New) The method of claim 18,

wherein any user can delete stored video information regardless of a user profile from the plurality of user profiles that was used to record the stored video information.

20. (New) The method of claim 18, further comprising:

generating a list of video information based on preferences of a user determined by a plurality of user selections of thumbnails from the first or second group of thumbnails.

21. (New) The method of claim 18, further comprising:

generating a list of video information based on preferences of a user determined by a plurality of user selections of thumbnails associated with the first video information, the list including third video information;

receiving a selection of the list by the user; and

in response to the selection of the list, displaying the thumbnails that correspond to the third video information and no other thumbnails associated with video information of other users.

22. (New) The method of claim 18, further comprising:

displaying a user interface having thumbnails corresponding to each of third video information, fourth video information, and fifth video information;

generating a list of video information including the third, fourth, and fifth video information based on one or more selections of the corresponding thumbnails made by the user;

organizing the third, fourth, and fifth video information in the list of video information with a playback sequence; and

displaying the third, fourth, and fifth video information included in the list according to the playback sequence.

23. (New) The method of claim 18, further comprising:

generating on screen display information, wherein the first video information includes third video information such that, upon selection for playback, the third video information is outputted with the on screen display information for display of the third video information and the on screen display information.

24. (New) An information processing apparatus comprising:

a network interface receiving first video information wirelessly from a device external to the information processing apparatus, the first video information being received including second video information that is encrypted;

a display displaying a first user interface for a user to select a user profile from among a plurality of user profiles including a first user profile associated with a first tag and a second user profile associated with a second tag, the plurality of user profiles being associated with video information and the first user interface including an option for a user to select the first user profile from the plurality of user profiles by selecting the first tag;

an input interface receiving a selection of the first user profile at a first time and a selection of the second tag at a second time,

wherein, in response to the selection of the first user profile, the display displays a second user interface for a user to select desired video information to be reproduced from among the first video information, the second user interface being associated with the first user profile and displaying the first tag, the first tag associated with a first group of video information and indicating an identity of the user which the first user profile is associated with, the second user interface further displaying thumbnails corresponding to the first group of video information, and

wherein, in response to the selection of the second user profile, the display displays the second tag and a second group of thumbnails corresponding to a second group of video information associated with the second user profile when the second tag shown in the first user interface is selected, the first group of video

information and the second group of video information including one video information that is the same; and

a processor for removing one video information from the first group of video information after the input interface receives a selection to remove the one video information from the first group of video information associated with the first user profile, wherein, upon the one video information being removed from the first group of video information, the one video information continues to be included in the second group of video information for the second user profile and the second group of thumbnails continues to display a thumbnail corresponding to the one video information when the second tag is selected,

wherein the processor decrypts second video information corresponding to a selected thumbnail when the input interface receives a selection of desired video information based on a selection of a thumbnail from the first group of thumbnails, and

wherein the display displays the decrypted video information.

25. (New) The information processing apparatus of claim 24, further comprising:

an antenna for wirelessly receiving the first video information.

26. (New) The information processing apparatus of claim 24,

wherein any user can delete stored video information regardless of a user profile from the plurality of user profiles that was used to record the stored video information.

27. (New) The information processing apparatus of claim 24,

wherein the processor generates a list of video information based on preferences of a user determined by a plurality of user selections of thumbnails from the first or second group of thumbnails.

28. (New) The information processing apparatus of claim 24,

wherein the processor generates a list of video information based on preferences of a user determined by a plurality of user selections of thumbnails associated with the first video information, the list including third and fourth video information, and, in response to the input interface receiving a selection of the list by the user, the display displays only those thumbnails that correspond to the third and fourth video information and no other thumbnails associated with video information of other users.

29. (New) The information processing apparatus of claim 24,

wherein the display displays a user interface having thumbnails corresponding to each of third video information, fourth video information, and fifth video information,

wherein the third, fourth, and fifth video information are included in the first video information, and

wherein the processor:

generates a list of video information including the third, fourth, and fifth video information based on one or more selections of the corresponding thumbnails made by the user; and

organizes the third, fourth, and fifth video information with a playback sequence such that the display displays the third, fourth, and fifth video information included in the list according to the playback sequence.

30. (New) The information processing apparatus of claim 24, further comprising:

an analog to digital converter for converting analog audio information being recorded into digital audio information;

a compressor for compressing the first video information;

a decoder for decoding, during playback, audio and video information included in the first video information and selected for reproduction by the user; and

a digital to analog converter for converting at least the digital audio information into audio information during playback.

31. (New) The information processing apparatus of claim 24, further comprising:

an on screen display generator generating on screen display information,

wherein the first video information includes third video information such that, upon selection for playback, the third video information is outputted with the on screen display information for display of the third video information and the on screen display information.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/221,908	12/17/2018	Susumu YOSHIDA	ASA-10782-06	6217

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MATTINGLY & MALUR, PC
1800 DIAGONAL ROAD
SUITE 210
ALEXANDRIA, VA 22314

EXAMINER
ZHAO, DAQUAN

ART UNIT	PAPER NUMBER
2484	

NOTIFICATION DATE	DELIVERY MODE
07/10/2019	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):

ptomail@mmiplaw.com

PTOL-90A (Rev. 04/07)

Office Action Summary	Application No. 16/221,908	Applicant(s) YOSHIDA et al.	
	Examiner DAQUAN ZHAO	Art Unit 2484	AIA (FITF) Status No

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☑ Responsive to communication(s) filed on 12/17/2018.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a)☐ This action is **FINAL.** 2b) ☑ This action is non-final.

3)☐ 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.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5) ☑ Claim(s) 1 is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6) ☐ Claim(s) _____ is/are allowed.

7) ☑ Claim(s) 1 is/are rejected.

8) ☐ Claim(s) _____ is/are objected to.

9) ☐ Claim(s) _____ are subject to restriction and/or election requirement

* If any claims have been determined allowable, 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.**

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☑ The drawing(s) filed on 12/17/2018 is/are: a)☑ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12)☑ 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. 15/176,735.

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)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☑ Notice of References Cited (PTO-892)

2) ☑ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date 12/17/2018.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date _____.

4) ☐ Other: _____.

DETAILED ACTION

Notice of Pre-AIA or AIA Status

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

Claim limitation “an output unit” and “a reproducer” have been interpreted under 35 U.S.C. 112, sixth paragraph, because it uses a non-structural term “an output unit” and “ a reproducer unit” coupled with functional language “configured to output a…” and “configured to reproduce”, respectively, without reciting sufficient structure to achieve the function. Furthermore, the non-structural term is not preceded by a structural modifier.

Since this claim limitation invokes 35 U.S.C. 112, sixth paragraph, claim 1 interpreted to cover the corresponding structure described in the specification that achieves the claimed function, and equivalents thereof.

A review of the specification shows that the following appears to be the corresponding structure described in the specification for the 35 U.S.C. 112, sixth paragraph limitation: see paragraph34, figure 3, “reproducing unit signal processing 306” and “OSD generation 319”.

If applicant wishes to provide further explanation or dispute the examiner’s interpretation of the corresponding structure, applicant must identify the corresponding structure with reference to the specification by page and line number, and to the drawing, if any, by reference characters in response to this Office action.

If applicant does **not** wish to have the claim limitation treated under 35 U.S.C. 112, sixth paragraph, applicant may amend the claim so that it will clearly not invoke 35 U.S.C. 112, sixth paragraph, or present a sufficient showing that the claim recites sufficient structure, material, or acts for performing the claimed function to preclude application of 35 U.S.C. 112, sixth paragraph.

For more information, see *Supplementary Examination Guidelines for Determining Compliance with 35 U.S.C. § 112 and for Treatment of Related Issues in Patent Applications*, 76 FR 7162, 7167 (Feb. 9, 2011).

Double Patenting

2. A rejection based on double patenting of the "same invention" type finds its support in the language of 35 U.S.C. 101 which states that "whoever invents or discovers any new and useful process... may obtain a patent therefor..." (Emphasis added). Thus, the term "same invention," in this context, means an invention drawn to identical subject matter. See *Miller v. Eagle Mfg. Co.*, 151 U.S. 186 (1894); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); *In re Ockert*, 245 F.2d 467, 114 USPQ 330 (CCPA 1957).

A statutory type (35 U.S.C. 101) double patenting rejection can be overcome by canceling or amending the claims that are directed to the same invention so they are no longer coextensive in scope. The filing of a terminal disclaimer cannot overcome a double patenting rejection based upon 35 U.S.C. 101.

3. Claim1 is rejected under 35 U.S.C. 101 as claiming the same invention as that of claim 1 of prior U.S. Patent No. 10,199,072. This is a statutory double patenting rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DAQUAN ZHAO whose telephone number is (571)270-1119 or email daquan.zhao1@uspto.gov. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tran Thai Q, can be reached on (571)272-7382. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/DAQUAN ZHAO/
Primary Examiner, Art Unit 2484

Notice of References Cited	Application/Control No. 16/221,908	Applicant(s)/Patent Under Reexamination YOSHIDA et al.	
	Examiner DAQUAN ZHAO	Art Unit 2484	Page 1 of 4

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*	B	US-20070022382-A1	01-2007	Honkaniemi; Petteri	G06F16/954	715/733
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*	D	US-20080092168-A1	04-2008	Logan; James D.	G10H1/0033	725/44
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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
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	Examiner	**Art Unit**
	DAQUAN ZHAO	2484

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

CLAIMS

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

CLAIM		DATE								
Final	Original	07/05/2019								
	1	✓								

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/221,908	YOSHIDA et al.
	Examiner	**Art Unit**
	DAQUAN ZHAO	2484

CPC - Searched*		
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CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**
h04n9/80 or g11b27/00 or h04n5/93 or h04n5/92	07/05/2019	dz

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**
386	239,240,278,280,281,282,326,353	07/05/2019	dz

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Search Notes		
Search Notes	**Date**	**Examiner**
USPAT; USPGPUB; USOCR; EPO; JPO; DERWENT; IBM_TDB	07/05/2019	DZ

Interference Search			
US Class/CPC Symbol	**US Subclass/CPC Group**	**Date**	**Examiner**

Maxell, Ltd.
Ex. 2012
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Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	
	Filing Date	2018-12-17
	First Named Inventor	YOSHIDA, S.
	Art Unit	
	Examiner Name	
	Attorney Docket Number	ASA-10782-06

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	6219837	B1	2001-04-17	YEO et al.	
	2	6934964	B1	2005-08-23	SCHAFFER et al.	
	3	6456334	B1	2002-09-24	DUHAULT	
	4	5442744	A	1995-08-15	PIECH et al.	
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	7	6166735	A	2000-12-26	DOM	
	8	5715403	A	1998-02-03	STEFIK	

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	Attorney Docket Number	ASA-10782-06

	9	5654746	A	1997-08-05	MCMULLAN, JR. et al.	
	10	5734823	A	1998-03-31	SAIGH et al.	
	11	7443418	B2	2008-10-28	BRYANT et al.	
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	17	6611813	B1	2003-08-26	BRATTON	
	18	7249106	B2	2007-07-24	TANABE et al.	
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	20	6236971	B1	2001-05-22	STEFIK et al.	
	21	6020930	A	2000-02-01	LEGRAND	
	22	6646655	B1	2003-11-11	BRANDT et al.	
	23	5751282	A	1998-05-12	GIRARD et al.	
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	25	6175362	B1	2001-01-16	HARMS et al.	
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	27	4086619	A	1978-04-25	MIYAKE et al.	
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	29	5704051	A	1997-12-30	LANE et al.	
	30	6005579	A	1999-12-21	SUGIYAMA et al.	

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	32	6724403	B1	2004-04-20	SANTORO et al.	
	33	6181870	B1	2001-01-30	OKADA et al.	
	34	7512622	B2	2009-03-31	VOLK et al.	
	35	6480669	B1	2002-11-12	TSUGUMAGARI et al.	
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	37	6470140	B1	2002-10-22	SUGIMOTO et al.	

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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	20060168147	A1	2006-07-27	INOUR et al.	
	2	20060107289	A1	2006-05-18	DEYONKER et al.	

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	Examiner Name	
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	3	20010056434	A1	2001-12-27	KAPLAN et al.	
	4	20040078383	A1	2004-04-22	MERCER et al.	
	5	20010052127	A1	2001-12-13	SEO et al.	
	6	20030122861	A1	2003-07-03	JUN et al.	
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	8	20010037379	A1	2001-11-01	LIVNAT	
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	10	20010009007	A1	2001-07-19	MIYAMAE et al.	
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	14	20020056098	A1	2002-05-09	WHITE		
	15	20020166122	A1	2002-11-07	KIKINIS 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	1 058 257	EP	A1	2000-12-06	SONY CORPORATION		

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	Examiner Name	
	Attorney Docket Number	ASA-10782-06

	2	97/25798	WO	A1	1997-07-17	THE MITRE CORPORATION		
	3	99/48296	WO	A1	1999-09-23	INTERTRUST TECHNOLOGIES CORPORATION		
	4	2 321 522	CA	A1	1999-09-02	MOONEY		
	5	2004-192779	JP	A	2004-07-08	HITACHI, LTD		
	6	2003-36652	JP	A	2003-02-07	TOSHIBA CORP.		
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	8	2000-152180	JP	A	2000-05-30	MATSUSHITA ELECTRIC IND CO LTD		
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	Attorney Docket Number	ASA-10782-06

	13	2002-197806	JP	A	2002-07-12	TOSHIBA CORP.		

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NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]
	1	Fandango Media, LLC's S.P.R. 2.5 Invalidity Contentions which were filed March 26, 2018 in the following litigation: MAXELL, LTD. v. FANDANGO MEDIA, LLC, Civil Action No. 2:17-cv-07534 AG-(SSx) (C.D. Cali.), filed October 13, 2017	
	2	PONCELEON, D. et al., "Key to Effective Video Retrieval: Effective Cataloging and Browsing", 1998, pp. 99-107	
	3	SRINIVASAN, S. et al., "What is in that Video Anyway?", 1999, pp. 388-393	
	4	POLLACK, W., "Tuning In: The Future of Copyright Protection for Online Music in the Digital Millennium", Fordham Law Review, 2000, pp. 2445-2488, Vol. 68, Issue 6	
	5	LG Electronics U.S.A., Inc. et al., "Zenith Installation and Operating Guide | Warranty" for DVR413 DVD Recorder, May 13, 2004	
	6	WACTLAR, H. D. et al., "Lessons Learned from Building a Terabyte Digital Video Library", IEEE, 1999, pp.66-73	
	7	Japan Patent Office (JPO) office action for JPO patent application JP2008-268104 (June 12, 2009).	
	8	Japan Patent Office (JPO) office action for JPO patent application JP2004-349264 (August 6, 2008).	

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	Attorney Docket Number	ASA-10782-06

	9	Chinese Intellectual Property Office (SIPO) office action for SIPO patent application CN2005-100935522 (May 26, 2008).	
	10	Toshiba HDD & DVD Video Recorder Instruction Manual RD-X5 Operating Instructions, Toshiba Corporation, pp. 148-159 (2004).	
	11	Office action for Japan Patent Office patent application JP2008-31843 (December 21, 2010).	
	12	Central District of California Case No. 2:17 -cv- 7534	
	13	Central District of California Case No. 2:17 -cv- 7538	

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EXAMINER SIGNATURE

Examiner Signature	/DAQUAN ZHAO/	Date Considered	07/05/2019

*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.

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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	/John R. Mattingly/	Date (YYYY-MM-DD)	2018-12-17
Name/Print	John R. Mattingly	Registration Number	30,293

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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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("7613383").PN.	USPAT; USOCR	OR	OFF	2019/07/05 16:48
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			DERWENT; IBM_TDB			
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S7	7795	thumbnail same user same (select$5 or click$5) same (area or GUI or interface near3 user)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/03/24 11:16
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S27	8	("20030031120" | "20030177503" |	US-PGPUB;	OR	OFF	2015/03/24

		"20050008327" | "20050166230" | "5930446" | "6408301" | "6456321").PN. OR ("8041188").URPN.	USPAT; USOCR			17:50
S28	6	("20010041049" | "20020135607" | "6285826" | "6289165" | "6728170" | "6839504").PN. OR ("8036516").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/03/24 17:53
S29	224	("5724595" | "5793366" | "5796945" | "5864868" | "5905983" | "6005563" | "6018768" | "6025841" | "6133913" | "6141010" | "6169997" | "6226618" | "6262723" | "6346951").PN. OR ("6452609").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/03/24 17:57
S30	26	S29 and thumbnail	US-PGPUB; USPAT; USOCR	OR	OFF	2015/03/24 17:57
S31	9328	(386/239,240,278,280,281,282,326,353).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/03/24 20:27
S32	19717	thumbnail same user same (select$5 or click$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/03/24 20:29
S33	525	S31 and S32	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/03/24 20:30
S34	5160	thumbnail same user same (select$5 or click$5) same (GUI or interface near3 user)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/03/24 20:30
S35	111	S31 and S34	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/03/24 20:30
S36	4611	(h04n9/80 or g11b27/00 or h04n5/93 or h04n5/92).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/03/24 20:47
S37	5160	S34 and S34	US-PGPUB; USPAT; USOCR;	OR	OFF	2015/03/24 20:48

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S38	16	S34 and S36	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/03/24 20:48
S39	2	"20140178042"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/03/25 10:16
S40	0	S39 and software	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/03/25 10:17
S41	0	S39 and CPU	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/03/25 10:17
S42	1	S39 and program	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/03/25 10:17
S43	699	edit$5 near5 thumbnail same select$5 same user	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/10/04 10:25
S44	1	("7313383").PN.	USPAT; USOCR	OR	OFF	2015/10/04 10:30
S45	1	("7613383").PN.	USPAT; USOCR	OR	OFF	2015/10/04 10:30
S46	1	("8644684").PN.	USPAT; USOCR	OR	OFF	2015/10/04 10:35
S47	7	("20030063897" | "20070022382" | "6181870" | "6470140" | "6480669" | "7257774").PN. OR ("8644684").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/10/04 10:36
S48	231	edit$5 near5 thumbnail same select$5 same (user near4 interface or GUI)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2015/10/04 10:57

			DERWENT; IBM_TDB			
S49	476	S43 not S48	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/10/04 11:28
S50	2	("5637871" | "5856931").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/10/04 12:04
S51	4731	(h04n9/80 or g11b27/00 or h04n5/93 or h04n5/92).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/10/04 13:24
S52	9856	(386/239,240,278,280,281,282,326,353).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/10/04 13:24
S53	64	S43 and (S51 or S52)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/10/04 13:25
S54	1	("8644684").PN.	USPAT; USOCR	OR	OFF	2016/05/15 12:03
S55	756	edit$5 near5 thumbnail same select$5 same user	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/05/15 12:04
S56	5001	(h04n9/80 or g11b27/00 or h04n5/93 or h04n5/92).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/05/15 12:04
S57	9995	(386/239,240,278,280,281,282,326,353).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/05/15 12:04
S58	68	S55 and (S56 or S57)	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2016/05/15 12:04

			EPO; JPO; DERWENT; IBM_TDB			
S62	1	("9384783").PN.	USPAT; USOCR	OR	OFF	2017/03/17 19:18
S63	1	("8644684").PN.	USPAT; USOCR	OR	OFF	2017/03/17 21:20
S64	1	("7613383").PN.	USPAT; USOCR	OR	OFF	2017/03/17 21:25
S65	816	edit$5 near5 thumbnail same select$5 same user	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 22:10
S66	6439	(h04n9/80 or g11b27/00 or h04n5/93 or h04n5/92).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/03/17 22:10
S67	10179	(386/239,240,278,280,281,282,326,353).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/03/17 22:10
S68	69	S65 and (S66 or S67)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/03/17 22:10
S69	1	("6038295").PN.	USPAT; USOCR	OR	OFF	2017/03/20 12:57
S70	1	("8644684").PN.	USPAT; USOCR	OR	OFF	2017/06/10 09:11
S71	23	("20010023436" | "6480669" | "20070022382" | "6470140" | "20030063897" | "6181870" | "7257774" | "7512622" | "7512622").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/06/10 09:31
S72	1	("8644684").PN.	USPAT; USOCR	OR	OFF	2017/06/28 13:22
S73	452	daquan near3 zhao	USPAT	OR	OFF	2017/06/28 13:33
S74	1	("9384783").PN.	USPAT; USOCR	OR	OFF	2017/06/28 13:36
S75	1	("8644684").PN.	USPAT; USOCR	OR	OFF	2017/06/28 13:39
S76	1	("7613383").PN.	USPAT; USOCR	OR	OFF	2017/06/28 13:42

S79	1	("20030063897").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/06/28 16:24
S80	0	("20070022382").PN.	USPAT; USOCR	OR	OFF	2017/07/10 10:34
S81	1	("20070022382").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/10 10:34
S82	853	edit$5 near5 thumbnail same select$5 same user	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/10 11:20
S83	6769	(h04n9/80 or g11b27/00 or h04n5/93 or h04n5/92).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/07/10 11:20
S84	10548	(386/239,240,278,280,281,282,326,353).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/07/10 11:20
S85	69	S82 and (S83 or S84)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/07/10 11:20
S88	1	("9818449").PN.	USPAT; USOCR	OR	OFF	2018/08/29 17:52
S89	1	("9384783").PN.	USPAT; USOCR	OR	OFF	2018/08/29 17:57
S90	1	("8644684").PN.	USPAT; USOCR	OR	OFF	2018/08/29 17:59
S91	1	("7613383").PN.	USPAT; USOCR	OR	OFF	2018/08/29 18:01
S92	909	edit$5 near5 thumbnail same select$5 same user	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/29 19:24
S93	7689	(h04n9/80 or g11b27/00 or h04n5/93 or h04n5/92).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/08/29 19:24
S94	11319	(386/239,240,278,280,281,282,326,353).CCLS.	US-PGPUB;	OR	OFF	2018/08/29

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			19:24
S95	75	S92 and (S93 or S94)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/08/29 19:24
S96	31	("6219837" | "6934964" | "6456334" | "5442744" | "5884056" | "6400378" | "6166735" | "5715403" | "5654746" | "5734823" | "7443418" | "5758068" | "6882793" | "8291444" | "6754548" | "7231360" | "5611813" | "7249106" | "7565675" | "6236971" | "6020930" | "6646655" | "5751282" | "5616876" | "6175362" | "6243725" | "4086619" | "4970663" | "5704051" | "6005579" | "6734909" | "672443").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/08/29 20:04
S97	14	("4930158" | "4945563" | "5563648" | "5619247" | "5654747" | "5721815" | "5767893" | "5796828" | "5987518" | "6067564" | "6240401" | "6523113" | "6751221" | "6785733").PN. OR ("8291444").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/08/29 20:05
S98	107	("5440551" | "5790753" | "5822319" | "5889777" | "5903559" | "5930259" | "5982773" | "5995503" | "6014381" | "6014694" | "6028860" | "6101549" | "6115392" | "6172991" | "6219697" | "6286142" | "6584094").PN. OR ("6751221").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/08/29 20:05
S99	17	("20060168147" | "20060107289" | "20010056434" | "20040078383" | "20010052127" | "20030122861" | "20040068606" | "20010037379" | "20020069418" | "20010009007" | "20030149988" | "20020049979" | "20030088646" | "20020056098" | "20020056098" | "20020166122" | "20050193416" | "20070220580").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/08/29 20:10
S100	7	("6181870" | "7512622" | "6480669" | "7257774" | "6470140" | "20010023436" | "20070022382").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/08/29 20:12
S101	1	("20070022382").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/08/29 21:05
S105	1	("10199072").PN.	USPAT; USOCR	OR	OFF	2019/07/05 09:16
S106	1	("9818449").PN.	USPAT; USOCR	OR	OFF	2019/07/05 09:29
S107	1	("9384783").PN.	USPAT; USOCR	OR	OFF	2019/07/05 09:35
S108	1	("8644684").PN.	USPAT; USOCR	OR	OFF	2019/07/05 09:46

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S59	131	(video near20 (delet$5 or eras$5 or remov$3) and menu).CLM.	US-PGPUB; USPAT	OR	OFF	2016/05/15 12:59
S60	7	(video near20 (delet$5 or eras$5 or remov$3) and menu and thumbnail).CLM.	US-PGPUB; USPAT	OR	OFF	2016/05/15 13:00
S61	3	(video near20 (delet$5 or eras$5 or remov$3) and menu and thumbnail and area).CLM.	US-PGPUB; USPAT	OR	OFF	2016/05/15 13:00
S77	148	(delete$5 same thumbnail).CLM.	US-PGPUB; USPAT	OR	OFF	2017/06/28 13:33
S78	10	(delete$5 same thumbnail same includ$5 same video).CLM.	US-PGPUB; USPAT	OR	OFF	2017/06/28 13:34
S86	10	(delete$5 same thumbnail same includ$5 same video).CLM.	US-PGPUB; USPAT	OR	OFF	2017/07/10 11:21
S87	9	(video near20 (delet$5 or eras$5 or remov$3) and menu and thumbnail).CLM.	US-PGPUB; USPAT	OR	OFF	2017/07/10 11:21
S102	13	(video near20 (delet$5 or eras$5 or remov$3) and menu and thumbnail).CLM.	US-PGPUB; USPAT	OR	OFF	2018/08/29 20:33
S103	12	(delete$5 same thumbnail same includ$5 same video).CLM.	US-PGPUB; USPAT	OR	OFF	2018/08/29 20:33
S104	6	(video near20 (delet$5 or eras$5 or remov$3) and menu and thumbnail and area).CLM.	US-PGPUB; USPAT	OR	OFF	2018/08/29 20:33

7/5/2019 5:05:04 PM
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
16/221,908	12/17/2018	Susumu YOSHIDA	ASA-10782-06

CONFIRMATION NO. 6217

PUBLICATION NOTICE

24956
MATTINGLY & MALUR, PC
1800 DIAGONAL ROAD
SUITE 210
ALEXANDRIA, VA 22314

OC000000107683415

Title:EDITING METHOD AND RECORDING AND REPRODUCING DEVICE

Publication No.US-2019-0122700-A1
Publication Date:04/25/2019

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The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
16/221,908	12/17/2018	3714	1720	ASA-10782-06	1	1

CONFIRMATION NO. 6217

FILING RECEIPT

OC000000104987343

24956
MATTINGLY & MALUR, PC
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SUITE 210
ALEXANDRIA, VA 22314

Date Mailed: 01/14/2019

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Hiroo OKAMOTO, Yokohama, JAPAN;

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Maxell, Ltd., Kyoto, JAPAN;

Power of Attorney: The patent practitioners associated with Customer Number 24956

Domestic Priority data as claimed by applicant

This application is a CON of 15/808,175 11/09/2017
which is a CON of 15/176,435 06/08/2016 PAT 9818449
which is a CON of 14/141,417 12/26/2013 PAT 9384783
which is a CON of 12/567,898 09/28/2009 PAT 8644684
which is a CON of 11/203,457 08/11/2005 PAT 7613383

Foreign Applications (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.)
JAPAN 2004-378767 12/28/2004 No Access Code Provided
JAPAN 2004-378768 12/28/2004 No Access Code Provided
JAPAN 2004-349264 12/02/2004 No Access Code Provided

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The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 16/221,908**

Projected Publication Date: 04/25/2019

Non-Publication Request: No

Early Publication Request: No
Title

EDITING METHOD AND RECORDING AND REPRODUCING DEVICE

Preliminary Class

463

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

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Title 37, Code of Federal Regulations, 5.11 & 5.15

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 16/221,908

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	300
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	660
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	760
TOTAL CLAIMS (37 CFR 1.16(i))	1 minus 20 =	*			OR	x 100 =	0.00
INDEPENDENT CLAIMS (37 CFR 1.16(h))	1 minus 3 =	*				x 460 =	0.00
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						0.00
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							0.00
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	1720

APPLICATION AS AMENDED - PART II

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY ADDITIONAL FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE($)
AMENDMENT A	Total (37 CFR 1.16(i))	*	Minus	**	=	x =		OR	x =	
AMENDMENT A	Independent (37 CFR 1.16(h))	*	Minus	***	=	x =		OR	x =	
AMENDMENT A	Application Size Fee (37 CFR 1.16(s))									
AMENDMENT A	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY ADDITIONAL FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE($)
AMENDMENT B	Total (37 CFR 1.16(i))	*	Minus	**	=	x =		OR	x =	
AMENDMENT B	Independent (37 CFR 1.16(h))	*	Minus	***	=	x =		OR	x =	
AMENDMENT B	Application Size Fee (37 CFR 1.16(s))									
AMENDMENT B	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.

PTO/SB/08a (02-18)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**	Application Number	
	Filing Date	2018-12-17
	First Named Inventor	YOSHIDA, S.
	Art Unit	
	Examiner Name	
	Attorney Docket Number	ASA-10782-06

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	6219837	B1	2001-04-17	YEO et al.	
	2	6934964	B1	2005-08-23	SCHAFFER et al.	
	3	6456334	B1	2002-09-24	DUHAULT	
	4	5442744	A	1995-08-15	PIECH et al.	
	5	5884056	A	1999-03-16	STEELE	
	6	6400378	B1	2000-12-26	SNOOK	
	7	6166735	A	2000-12-26	DOM	
	8	5715403	A	1998-02-03	STEFIK	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	
	Filing Date	2018-12-17
	First Named Inventor	YOSHIDA, S.
	Art Unit	
	Examiner Name	
	Attorney Docket Number	ASA-10782-06

	9	5654746	A	1997-08-05	MCMULLAN, JR. et al.	
	10	5734823	A	1998-03-31	SAIGH et al.	
	11	7443418	B2	2008-10-28	BRYANT et al.	
	12	5758068	A	1998-05-26	BRANDT et al.	
	13	6882793	B1	2005-04-19	FU et al.	
	14	8291444	B1	2012-10-16	NEWELL	
	15	6754548	B1	2004-06-22	YOSHII et al.	
	16	7231360	B2	2007-06-12	SY	
	17	6611813	B1	2003-08-26	BRATTON	
	18	7249106	B2	2007-07-24	TANABE et al.	
	19	7565675	B2	2009-07-21	SINCAGLIA et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
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	Filing Date	2018-12-17
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	Art Unit	
	Examiner Name	
	Attorney Docket Number	ASA-10782-06

	20	6236971	B1	2001-05-22	STEFIK et al.	
	21	6020930	A	2000-02-01	LEGRAND	
	22	6646655	B1	2003-11-11	BRANDT et al.	
	23	5751282	A	1998-05-12	GIRARD et al.	
	24	5616876	A	1997-04-01	CLUTS	
	25	6175362	B1	2001-01-16	HARMS et al.	
	26	6243725	B1	2001-06-05	HEMPLEMAN et al	
	27	4086619	A	1978-04-25	MIYAKE et al.	
	28	4970663	A	1990-11-13	BEDELL et al.	
	29	5704051	A	1997-12-30	LANE et al.	
	30	6005579	A	1999-12-21	SUGIYAMA et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
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	Filing Date	2018-12-17
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	Art Unit	
	Examiner Name	
	Attorney Docket Number	ASA-10782-06

	31	6734909	B1	2004-05-11	TERANE et al.	
	32	6724403	B1	2004-04-20	SANTORO et al.	
	33	6181870	B1	2001-01-30	OKADA et al.	
	34	7512622	B2	2009-03-31	VOLK et al.	
	35	6480669	B1	2002-11-12	TSUGUMAGARI et al.	
	36	7257774	B2	2007-04-14	DENOUE et al.	
	37	6470140	B1	2002-10-22	SUGIMOTO et al.	

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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	20060168147	A1	2006-07-27	INOUR et al.	
	2	20060107289	A1	2006-05-18	DEYONKER et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
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	Art Unit	
	Examiner Name	
	Attorney Docket Number	ASA-10782-06

	3	20010056434	A1	2001-12-27	KAPLAN et al.	
	4	20040078383	A1	2004-04-22	MERCER et al.	
	5	20010052127	A1	2001-12-13	SEO et al.	
	6	20030122861	A1	2003-07-03	JUN et al.	
	7	20040068606	A1	2004-04-08	KIM et al.	
	8	20010037379	A1	2001-11-01	LIVNAT	
	9	20020069418	A1	2002-06-06	PHILLIPS	
	10	20010009007	A1	2001-07-19	MIYAMAE et al.	
	11	20030149988	A1	2003-08-07	ELLIS	
	12	20020049979	A1	2002-04-25	WHITE et al.	
	13	20030088646	A1	2003-05-08	YEO	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	
	Filing Date	2018-12-17
	First Named Inventor	YOSHIDA, S.
	Art Unit	
	Examiner Name	
	Attorney Docket Number	ASA-10782-06

	14	20020056098	A1	2002-05-09	WHITE	
	15	20020166122	A1	2002-11-07	KIKINIS et al.	
	16	20030093790	A1	2003-05-15	LOGAN et al.	
	17	20050193416	A1	2005-09-01	PRZYBYLEK	
	18	20070220580	A1	2007-09-20	PUTTERMAN et al.	
	19	20030063897	A1	2003-04-03	JUNG-KWON	
	20	20010023436	A1	2001-09-20	SRINIVASAN et al.	
	21	20070022382	A1	2007-01-25	HONKANIEMI	

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Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1	1 058 257	EP	A1	2000-12-06	SONY CORPORATION		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	
	Filing Date	2018-12-17
	First Named Inventor	YOSHIDA, S.
	Art Unit	
	Examiner Name	
	Attorney Docket Number	ASA-10782-06

	2	97/25798	WO	A1	1997-07-17	THE MITRE CORPORATION		
	3	99/48296	WO	A1	1999-09-23	INTERTRUST TECHNOLOGIES CORPORATION		
	4	2 321 522	CA	A1	1999-09-02	MOONEY		
	5	2004-192779	JP	A	2004-07-08	HITACHI, LTD		
	6	2003-36652	JP	A	2003-02-07	TOSHIBA CORP.		
	7	11-32301	JP	A	1999-02-02	SONY CORP.		
	8	2000-152180	JP	A	2000-05-30	MATSUSHITA ELECTRIC IND CO LTD		
	9	2003-100055	JP	A	2003-04-04	MATSUSHITA ELECTRIC IND CO LTD.		
	10	2002-150503	JP	A	2002-05-24	PIONEER ELECTRONIC CORP.		
	11	1243596	CN	A	2000-02-02	MATSUSHITA ELECTRIC IND CO LTD.		
	12	2003-123389	JP	A	2003-04-25	SONY CORP.		

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	
	Filing Date	2018-12-17
	First Named Inventor	YOSHIDA, S.
	Art Unit	
	Examiner Name	
	Attorney Docket Number	ASA-10782-06

	13	2002-197806	JP	A	2002-07-12	TOSHIBA CORP.		

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NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]
	1	Fandango Media, LLC's S.P.R. 2.5 Invalidity Contentions which were filed March 26, 2018 in the following litigation: MAXELL, LTD. v. FANDANGO MEDIA, LLC, Civil Action No. 2:17-cv-07534 AG-(SSx) (C.D. Cali.), filed October 13, 2017	
	2	PONCELEON, D. et al., "Key to Effective Video Retrieval: Effective Cataloging and Browsing", 1998, pp. 99-107	
	3	SRINIVASAN, S. et al., "What is in that Video Anyway?", 1999, pp. 388-393	
	4	POLLACK, W., "Tuning In: The Future of Copyright Protection for Online Music in the Digital Millennium", Fordham Law Review, 2000, pp. 2445-2488, Vol. 68, Issue 6	
	5	LG Electronics U.S.A., Inc. et al., "Zenith Installation and Operating Guide | Warranty" for DVR413 DVD Recorder, May 13, 2004	
	6	WACTLAR, H. D. et al., "Lessons Learned from Building a Terabyte Digital Video Library", IEEE, 1999, pp.66-73	
	7	Japan Patent Office (JPO) office action for JPO patent application JP2008-268104 (June 12, 2009).	
	8	Japan Patent Office (JPO) office action for JPO patent application JP2004-349264 (August 6, 2008).	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	
	Filing Date	2018-12-17
	First Named Inventor	YOSHIDA, S.
	Art Unit	
	Examiner Name	
	Attorney Docket Number	ASA-10782-06

	9	Chinese Intellectual Property Office (SIPO) office action for SIPO patent application CN2005-100935522 (May 26, 2008).	
	10	Toshiba HDD & DVD Video Recorder Instruction Manual RD-X5 Operating Instructions, Toshiba Corporation, pp. 148-159 (2004).	
	11	Office action for Japan Patent Office patent application JP2008-31843 (December 21, 2010).	
	12	Central District of California Case No. 2:17 -cv- 7534	
	13	Central District of California Case No. 2:17 -cv- 7538	

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Examiner Signature		Date Considered	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	
	Filing Date	2018-12-17
	First Named Inventor	YOSHIDA, S.
	Art Unit	
	Examiner Name	
	Attorney Docket Number	ASA-10782-06

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	/John R. Mattingly/	Date (YYYY-MM-DD)	2018-12-17
Name/Print	John R. Mattingly	Registration Number	30,293

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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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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Application Number	
Filing Date	December 17, 2018
First Named Inventor	S.YOSHIDA
Title	EDITING METHOD AND RECORDING AND REPRODUCING DEVICE
Art Unit	
Examiner Name	
Attorney Docket Number	ASA-10782-06

SIGNATURE of Applicant or Patent Practitioner

Signature	/John R. Mattingly/	Date (Optional)	December 17, 2018
Name	John R. Mattingly	Registration Number	30293
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			

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I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

出願番号 Application Number	出願日 Filing Date

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ABSTRACT OF THE DISCLOSURE

In order to provide a recording and reproducing device that allows a user to select and manage arbitrary play lists, a unit of management for managing all registered play list information and an upper management hierarchical level are added. The unit of management is adapted to be handled on the same level with unified information that indicates a reproduction range of all AV data. User-defined unified information is adapted to be handled on the added management hierarchical level. The user-defined unified information is formed to allow arbitrary reproduction ranges contained on a lower hierarchical level to be registered.

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What is claimed is:

1. An information processing apparatus comprising:

a recording medium to store a plurality of video data;

an output unit configured to output a menu display for a user to select one group of video data among a plurality of groups of video data by a specifying position of a character corresponding to the one group of video data;

a reproducer configured to reproduce the selected video data read out from the recording medium; and

a controller;

wherein, when a first group of video data is selected in the menu display by specifying a position of a character corresponding to the first group of video data, the controller controls so that a first group of thumbnails corresponding to the first group of video data is displayed in a state that an order of the first group of thumbnails is editable,

wherein, when a second group of video data is selected in the menu display by specifying positon of character corresponding to the second group of video data, the controller controls so that a second group of thumbnails corresponding to the second group of video data displayed in a state that an order of the second group of thumbnails is editable,

wherein, even if one video data stored on the recording medium included in both the first group of video data and the second group of video data is deleted from the first group of video data, the controller controls so that the one video data continues to be included in the second group of video data and a thumbnail corresponding to the one video data is displayed as one of the second group of thumbnails when the second group of thumbnails is displayed.

EDITING METHOD AND RECORDING AND REPRODUCING DEVICE

CROSS-REFERENCE TO RELATED APPLICATIONS(S)

[0001] This is a continuation application of U.S. Patent Application No. 15/808,175, filed November 9, 2017, which is a continuation application of U.S. Patent Application No. 15/176,435, filed June 8, 2016, now U.S. Patent No. 9,818,449, which is a continuation of U.S. Patent Application No. 14/141,417, filed December 26, 2013, now U.S. Patent No. 9,384,783 (the entire disclosure of which is incorporated herein by reference for all purposes), which is a continuation of U.S. Patent Application No. 12/567,898, filed September 28, 2009, now U.S. Patent No. 8,644,684 (the entire disclosure of which is incorporated herein by reference for all purposes), which is a continuation of U.S. Patent Application No. 11/203,457, filed on August 11, 2005, now U.S. Patent No. 7,613,383 (the entire disclosure of which is incorporated herein by reference for all purposes), which application claims priority from Japanese Patent Application Nos. JP2004-349264, filed December 2, 2004, JP2004-378767, filed December 28, 2004, and JP2004-378768, filed December 28, 2004, the entire disclosures of which are incorporated herein by reference for all purposes.

BACKGROUND OF THE INVENTION

[0002] Field of the Invention

[0003] The present invention relates to a recording and reproducing device which records data onto a recording medium and reproduces data from the recording medium.

[0004] Description of the Related Art

[0005] As the high-efficiency coding technique advances, it has become possible to handle AV data such as video data and audio data as digital data, conduct code rate compression, and record resultant data on a large-capacity recording medium such as a hard disk or a recording type optical disk in real time. When digital data already compressed in code rate is inputted to a recording and reproducing device having such a recording medium from outside by broadcasting or communication, it is also possible to record the digital data on the recording medium intact.

[0006] In these recording and reproducing device, management information for managing digital data to be recorded is generated and recorded together onto the same recording medium. When a rewritable recording medium is used, the user can conduct editing work on the recording and reproducing device by rewriting the management information and generating and manipulating a list indicating the reproduction sequence (hereinafter referred to as play list) (see, for example, JP-A-2000-152180).

SUMMARY OF THE INVENTION

[0007] In the above-described conventional technique, it is mentioned that the play list indicates the reproduction sequence by linking portions of AV data together. As an

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example, a management state of AV data on a recording medium in the above-described conventional technique is shown in Fig. 2.

[0008] Reference numeral 201 designates AV data themselves on the recording medium. The case where a program #1 to a program #3 are present as recording units is shown. Reference numeral 202 designates a second management hierarchical level (management level 2) in management information. Original cell information #1 to original cell information #3 indicate the whole reproduction range of program units, i.e., a program #1 to a program #3, respectively. Each of user-defined cell information #1 to user-defined information #2 indicates a reproduction range of the whole or a part of a program arbitrarily specified by the user. The number of the user-defined cell information #1 to user-defined information #2 is increased or decreased by the user's editing manipulation. Reference numeral 203 designates a first management hierarchical level (management level 1). Program information contains all of the original cell information #1 to original cell information #3. By conducting reproduction on the basis of the program set information, the user can reproduce all AV data recorded on the recording medium. Play list information #1 to play list information #k indicate a reproduction sequence of the user-defined cell information arbitrarily specified by the user. It is possible to have a plurality of reproduction sequences. Inside of a frame 204 becomes original information for managing the whole AV data in the management information. Inside of a frame 205 becomes user-defined information for managing the play list obtained by the user's editing manipulation.

[0009] In Fig. 2, the play list information is placed on the same level with the program set information and managed as the management level 1. Therefore, the sequence of a plurality of play list information pieces themselves is determined uniquely. For example, as for a catalog of the play lists, it is impossible on the user's interface to alter the display sequence. In view of the problem, the present invention has been achieved. An object of the present invention is to provide a recording scheme and device in which the user can conduct manipulation of arbitrarily rearranging the display sequence of the play lists in the play list catalog on the user interface.

[0010] Furthermore, in the conventional technique example, attention is not paid to that a plurality of users generate, select and manage favorite play list information. For example, even when a plurality of users desire to generate, select and manage respective favorite play list information pieces, it cannot be implemented. Furthermore, attention is not especially paid to that a user select some arbitrary play lists from among a plurality of play lists and manage them.

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[0011] In view of these problems, the present invention has been achieved. An object of the present invention is to provide a recording and reproducing device in which the user can select and manage arbitrary play lists.

[0012] In order to achieve the objects, in accordance with the present invention, a unit of management for managing all registered play list information and an upper management hierarchical level are added. The unit of management is adapted to be handled on the same level with unified information that indicates a reproduction range of all AV data. User-defined unified information is adapted to be handled on the added management hierarchical level. The user-defined unified information is formed to allow arbitrary reproduction ranges contained on a lower hierarchical level to be registered.

[0013] In a recording and reproducing device according to the present invention, it becomes possible for the user to select arbitrary play lists or reproduction ranges and conduct management. Even in the case where a plurality of users share a single recording medium, therefore, each user can manage favorite reproduction contents, resulting in improved usage. Since the play lists are subject to unified management, it becomes possible for the user to arbitrarily alter the display sequence of play lists.

[0014] According to the present invention, a recording and reproducing device improved in usage can be provided.

[0015] Other objects, features and advantages of the invention will become apparent from the following description of the embodiments of the invention taken in conjunction with the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

[0016] Fig. 1 shows a management state of AV data in a recording and reproducing device according to an embodiment of this invention;

[0017] Fig. 2 shows a management state of AV data in a conventional technique example;

[0018] Fig. 3 shows a block diagram of a recording and reproducing device according to an embodiment of this invention;

[0019] Fig. 4 shows a display output example of original unified information;

[0020] Fig. 5 shows a display output example of play list unified information;

[0021] Fig. 6 shows a first output example of user-defined unified information;

[0022] Fig. 7 shows a second output example of user-defined unified information;

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[0023] Fig. 8 shows an example of a file structure of original unified information, play list unified information, user-defined unified information, play list information, program information, and AV data (program);

[0024] Fig. 9 shows an example of a management table structure of original unified information, play list unified information, and user-defined unified information;

[0025] Fig. 10 shows an example of a management table of play list information;

[0026] Fig. 11 shows an example of a management table of program list information;

[0027] Fig. 12 shows a display output example of play list unified information; and

[0028] Fig. 13 shows an example of a table indicating contents of user-defined information #m.

DESCRIPTION OF THE EMBODIMENTS

[0029] Hereafter, embodiments of the present invention will be described with reference to the drawings. Fig. 1 shows a management state of AV data on a recording medium in a recording and reproducing device according to the present invention. In the same way as the reference numeral 201 in Fig. 2, reference numeral 101 designates AV data themselves on the recording medium. The case where programs #1 to #3 are present as recording units is shown.

[0030] Reference numeral 102 corresponds to 202 in Fig. 2. However, reference numeral 102 designates a third management hierarchical level (management level 3) in management information. Program information #1 to program information #3 indicate the whole reproduction ranges of program units, i.e., program #1 to program #3, respectively. Each of program information #2a to program information #3a indicates a reproduction range of the whole or a part of a program arbitrarily specified by the user. The program information #2a to program information #3a indicate a part of the program #2 and a part of the program #3, respectively. In places corresponding to the program information #1 to program information #3, information is also added, as AV data is added, i.e., with an increase in programs. In places corresponding to the program information #2a to the program information #3a, the number of information pieces increases or decreases due to the editing manipulation of the user.

[0031] Reference numeral 103 corresponds to the management level 1 in Fig. 2. However, numeral 103 designates a second management hierarchical level (management level 2), which includes only play list information #1 to play list information #n. Each play list information indicates a reproduction sequence of arbitrary program information pieces on the management level 3. It is possible to have a plurality of reproduction sequences.

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[0032] Reference numeral 104 designates a newly added first management hierarchical level (management level 1) in the management information as a feature point of the present invention. The management level 1 includes a plurality of unified information pieces. Original unified information corresponds to the program set information shown in Fig. 2. The original unified information contains all of the program information #1 to program information #3 on the management level 3. By conducting reproduction on the basis of all of the program information #1 to program information #3, it becomes possible for the user to reproduce all AV data recorded on the recording medium. Play list unified information contains all of the play list information #1 to play list information #n on the management level 2. By conducting reproduction on the basis of all of the play list information #1 to play list information #n on the management level 2, it becomes possible for the user to successively reproduce all registered play lists. User-defined unified information #1 to user-defined unified information #m contain arbitrary one or more from among play list information pieces on the management level 2 and program information pieces on the management level 3. For example, when a plurality of users use a single recording medium, it becomes possible to manage reproduced contents that meet respective users' tastes by using one user-defined unified information every user.

[0033] An embodiment of a recording and reproducing device according to the present invention will be described more specifically by using another drawing.

[0034] Fig. 3 is a block diagram showing an example of a recording and reproducing device according to the present invention. A recording and reproducing device capable of receiving digital broadcast, recording the digital broadcast on a recording medium, reproducing recorded data, and obtaining a reproduced output is shown. Reference numeral 300 designates a recording and reproducing device, 301 an input terminal supplied with a received wave from an antenna, 3011 an input terminal supplied with compressed video and audio data from another device, 3012 an analog video input terminal supplied with an analog video signal, 3013 an analog audio input terminal supplied with an analog audio input terminal, 333 and 334 analog/digital (A/D) conversion circuits each of which converts an analog signal to a digital signal, 302 a demodulation circuit, 330 a separation circuit which separates the demodulated digital signal into audio, video and other data, 335 a compression circuit which compresses digitized video and audio signals, 303 a recording unit signal processing circuit, 331 an encryption circuit which encrypts data to be recorded, 304 a recording and reproducing unit including a drive function of a recording medium, 305 a recording medium, 332 a decryption circuit which decrypts data encrypted and recorded on

the recording medium, 306 a reproducing unit signal processing circuit, 307 a switchover circuit, 308 a separation circuit, 309 a video decoding circuit, 310 a digital/analog (D/A) conversion circuit, 311 a video output terminal, 312 an audio decoding circuit, 313 a D/A conversion circuit, 314 an audio output terminal, 315 a TV set, 316 a user I/F, 317 a control unit, 318 a system bus, 319 an OSD generation unit, and 320 an addition circuit.

[0035] At the time of recording, a signal transmitted by digital broadcast or the like and received is demodulated in the demodulation circuit 302 by using a predetermined scheme, subjected to necessary signal processing such as timing adjusting data addition and modulation in the recording unit signal processing circuit 303, encrypted in the encryption circuit 331, and then recorded on the recording medium 305 by the recording and reproducing unit 304. A digital signal input from the digital input terminal 3011 is subjected to necessary signal processing such as timing adjusting data addition and modulation in the recording unit signal processing circuit 303, encrypted in the encryption circuit 331, and then recorded on the recording medium 305 by the recording and reproducing unit 304. An analog video signal input from the analog video input terminal 3012 and an analog audio signal input from the analog audio input terminal 3013 are subjected to compression processing in the compression circuit 335, encrypted in the encryption circuit 331 via the recording unit signal processing circuit 303, and then recorded on the recording medium 305 by the recording and reproducing unit 304.

[0036] At the time of reproducing, encrypted digital data read out from the recording medium 305 via the recording and reproducing unit 304 in accordance with the user's order is decrypted in the decryption circuit 332, subjected to signal processing required for reproduction such as demodulation in a form based on a predetermined modulation scheme in the reproducing unit signal processing circuit 103, and sent to the separation circuit 308 via the switchover circuit 307. Resultant video digital data is subjected to predetermined video decoding processing in the video decoding circuit 309, converted to an analog signal in the D/A conversion circuit 310, and then displayed as a monitor output on the TV set 315 via the video output terminal 311. Audio digital data obtained from the separation circuit 308 is subjected to predetermined audio decoding processing in the audio decoding circuit 312, converted to an analog signal in the D/A conversion circuit 313, and then outputted by an audio output mechanism in the TV set 315 via the audio output terminal 314.

[0037] The control unit 317 controls various components in the recording and reproducing device 300 via the system bus 318. Furthermore, the control unit 317 controls the whole device to cause operation based on the user's order input which is inputted via the

user I/F 316 to be conducted. By the way, an order input request to the user or necessary OSD display for the user is implemented by preparing it in the OSD generation unit 319, adding it to an output of the video decoding circuit 309 on a suitable level, and finally outputting it to a monitor screen on the TV set 315.

[0038] The case where each unified information on the management level 1 is used for menu display of recording data will now be described as a specific use example of the management information configuration in Fig. 1.

[0039] Fig. 4 shows an example in which menu display is conducted by using the original unified information shown in Fig. 1. Reference numeral 315 designates the TV set shown in Fig. 3, 401 a tag for displaying all programs, 402 a thumbnail indicating program information #1, 403 a thumbnail indicating program information #2, and 404 a thumbnail indicating program information #3. The user moves a cursor position on the screen to a desired thumbnail and conducts selection and determination by using a remote controller or the like. As a result, the user can reproduce arbitrary programs or all programs.

[0040] Fig. 5 shows an example in which menu display is conducted by using the play list unified information shown in Fig. 1. Reference numeral 501 designates a tag for displaying all play lists, 502 a thumbnail indicating play list information #1, and 503 a thumbnail indicating play list information #2. In the same way as the above-described case, the user moves a cursor position on the screen to a desired thumbnail and conducts selection and determination by using a remote controller or the like. As a result, the user can reproduce arbitrary play lists or all play lists. By the way, display switching from the all program display tag 401 to all play list display tag can be implemented by, for example, movement of the cursor in tag character positions conducted by the user.

[0041] Fig. 6 shows an example in which menu display is conducted by using the user-defined unified information #1 shown in Fig. 1. Reference numeral 601 designates a menu display tag for user #1 (who is supposed to be "mother" here). As appreciated from Fig. 1, reference numerals 402 and 502 designate thumbnails indicating the program information #1 and the play list information #1, respectively. The "mother" can use the menu display tag for mother 601 as a folder dedicated to herself, and freely register and delete data to be reproduced. In the same way, Fig. 7 shows an example in which menu display is conducted by using the user-defined unified information #2 shown in Fig. 1. Reference numeral 701 designates a menu display tag for user #2 (who is supposed to be "father" here). As appreciated from Fig. 1, reference numerals 503 and 502 designate thumbnails indicating the play list information #2 and the play list information #1, respectively. In this case, the

"father" selects two play lists. However, the reproduction sequence of them can be altered. In the same way as the "mother," the "father" can use the menu display tag for father 701 as a folder dedicated to himself, and freely register and delete data to be reproduced.

[0042] As heretofore described, in the embodiment of the present invention, a unit of management for managing all registered play list information and an upper management hierarchical level are added. The unit of management is adapted to be handled on the same level with unified information that indicates a reproduction range of all AV data. User-defined unified information is adapted to be handled on the added management hierarchical level. The user-defined unified information is formed to allow arbitrary reproduction ranges contained on a lower hierarchical level to be registered therein. As a result, it becomes possible for the user to select arbitrary play lists or reproduction ranges and conduct management. Even in the case where a plurality of users share a single recording medium, therefore, each user can manage favorite reproduction contents, resulting in improved usage.

[0043] In the embodiment heretofore described, the case where digital broadcast is received and digital data is recorded intact has been described. However, this is not restrictive. A configuration having a network I/F to acquire AV data from an external network or having coding unit to conduct recording onto the recording medium while coding analog data may also be used. In other words, the present embodiment refers to data management on the recording medium, and its input route is not especially restricted.

[0044] Fig. 8 shows an example of file configurations used to actually record the program, program information, play list information, original unified information, play list unified information, and user-defined information on the recording medium 305 (Fig. 3). The recording medium is a medium on which digital recording and reproducing are conducted. Files on the medium are managed by a file system similar to that used to manage a recording medium in the so-called personal computer or the like. In Fig. 8, "ROOT" 800 represents a highest hierarchical level of a file directory. "TV_REC" 801 is a directory under the highest hierarchical level. "TVREC.MAN" 802, "PGRG.IFO" 803, "PGR.IFO" 804, "PROG0001.TS" 805, ••• of files which implement the management structure shown in Fig. 1 according to the present invention are recorded in the "TV_REC" 801. In the "TVREC.MAN" 802, the original unified information, the play list unified information, and the user-defined unified information #1 to #m on the management level 1 shown in Fig. 1 are described as management tables. In the "PGRG.IFO" 803, the play list information #1 to the play list information #n on the management level 2 shown in Fig. 1 are recorded as management tables. In the "PGR.IFO" 804, the program information #1 to the program

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information #3a on the management level 3 shown in Fig. 1 are recorded as management tables. "PROG0001.TS" 805, "PROG0002.TS" 806 and "PROG0003.TS" 807 are entity files of AV data in each program. For example, AV data between recording start and recording end of one time is recorded in the "PROG0001.TS." AV data between recording start and recording end of the next time is recorded in the "PROG0002.TS." In this way, the file name is updated and recording is conducted. Thereafter, the management files 802 to 804 are updated.

[0045] The file structure and the configuration of management tables themselves concerning the management structure "TVREC.MAN" 802, "PGRG.IFO" 803, "PGR.IFO" 804, "PROG0001.TS" 805, ••• of files may be formed by using any method. However, an example of how to implement the management configuration in the case of Fig. 1 using the files will now be described.

[0046] Fig. 9 shows a configuration of management tables of the "TVREC.MAN" 802 (Fig. 8). As original unified information 901, the number of AV data recorded as the number of program information pieces 9011, i.e., the total number (three in this case) of entity files ("PROG0001.TS" 805, "PROG0002.TS" 806 and "PROG0003.TS" 807) of the AV data is described. Under the original unified information 901, location tables 9012 of respective original program information pieces are recorded. As play list unified information 902, play list location information tables are recorded in 9021 and subsequent tables. In 9031, the number of user-defined unified information pieces is recorded. After that, contents of #1 to #m of the user-defined information are recorded.

[0047] Fig. 13 shows contents of the user-defined information #m described above. The user-defines information #m has combinations of original program information and play list information as a table.

[0048] Fig. 10 shows a management table of the "PGRG.IFO" 803 (Fig. 8), which corresponds to the management level 2 shown in Fig. 1. As play list information 1001, the total number of the play list information pieces is first described as designated by 10011. (In this case, the total number of the play list information pieces is n.) Beginning with 10012 indicated under the reference numeral 10011, locations in which contents of the play list information #1 to #n are described are recorded as tables. Beginning with 10013, contents of the play list information #1 to #n (contents of the reproduction sequence, which are management tables having combinations of program information indicating the reproduction start location and reproduction end location of AV data described later) are recorded.

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[0049] Fig. 11 shows a management table of the "PGR.IFO" 804 (Fig. 8), which corresponds to the management level 3 shown in Fig. 1. As program information 1101, the total number of the program information pieces including all of the program information pieces paired with the original information program #1, #2 and #3 (Fig. 1) and the user-defined program information #2a and #3a (Fig. 1) is recorded as designated by 11011. Beginning with 11012 indicated under the reference numeral 11011, tables indicating locations in which contents of the program information #1 to #3a are described are recorded. Beginning with 11013, contents of the program information #1 to #3a (describing the reproduction start location and reproduction end location of the "PROG0001.TS" 805, "PROG0002.TS" 806 and "PROG0003.TS" 807 (Fig. 8)) are recorded.

[0050] By conducting the management as heretofore described, it becomes possible to sort the location information, for example, in the play list location table 9021 and alter the sequence of displaying play lists on a GUI view from the state shown in Fig. 5 to the state shown in Fig. 12. In the case where the number of play lists has become very large, a play list that is high in user's use frequency can be displayed in the first place in the GUI view. As a result, it is possible to implement a usable recording and reproducing device, reproducing device, or recording method. For example, a plurality of users can set play lists that they want to view and recorded original contents freely and individually. Even when the number of recorded programs is very large, the user can rapidly find out a program that the user wants to view, because the user can refer to a folder defined by the user.

[0051] In the present embodiment, a clear distinction is made between the user-defined play list unified information and the user-defined unified information #1 to #m. The user-defined play list unified information may be defined as user-defined play list unified information having no link to the original program information of the user-defined unified information.

[0052] It should be further understood by those skilled in the art that although the foregoing description has been made on embodiments of the invention, the invention is not limited thereto and various changes and modifications may be made without departing from the spirit of the invention and the scope of the appended claims.

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FIG.1

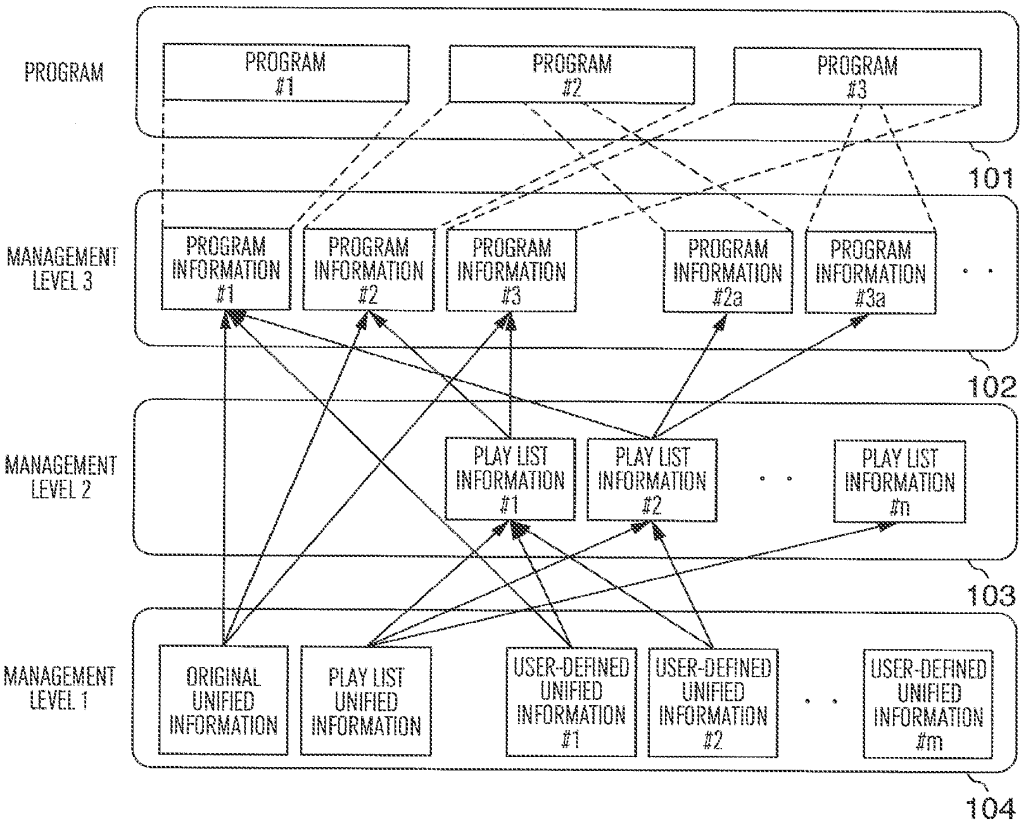

PROGRAM
PROGRAM #1
PROGRAM #2
PROGRAM #3
101
MANAGEMENT LEVEL 3
PROGRAM INFORMATION #1
PROGRAM INFORMATION #2
PROGRAM INFORMATION #3
PROGRAM INFORMATION #2a
PROGRAM INFORMATION #3a
102
MANAGEMENT LEVEL 2
PLAY LIST INFORMATION #1
PLAY LIST INFORMATION #2
PLAY LIST INFORMATION #n
103
MANAGEMENT LEVEL 1
ORIGINAL UNIFIED INFORMATION
PLAY LIST UNIFIED INFORMATION
USER-DEFINED UNIFIED INFORMATION #1
USER-DEFINED UNIFIED INFORMATION #2
USER-DEFINED UNIFIED INFORMATION #m
104

FIG.2
PRIOR ART

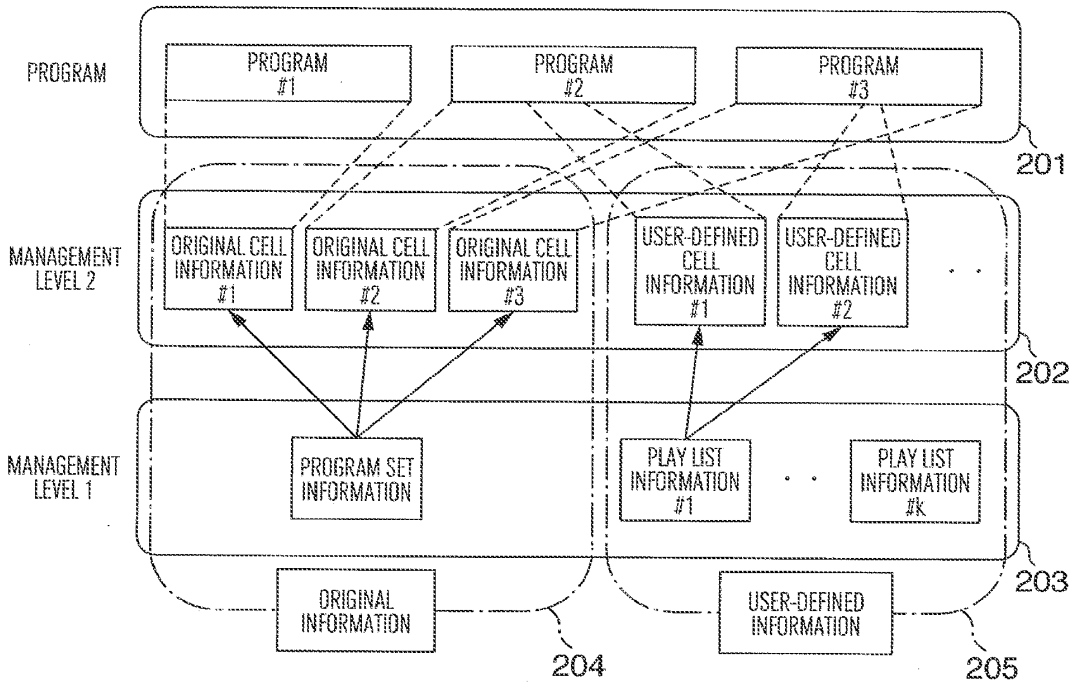


FIG.3

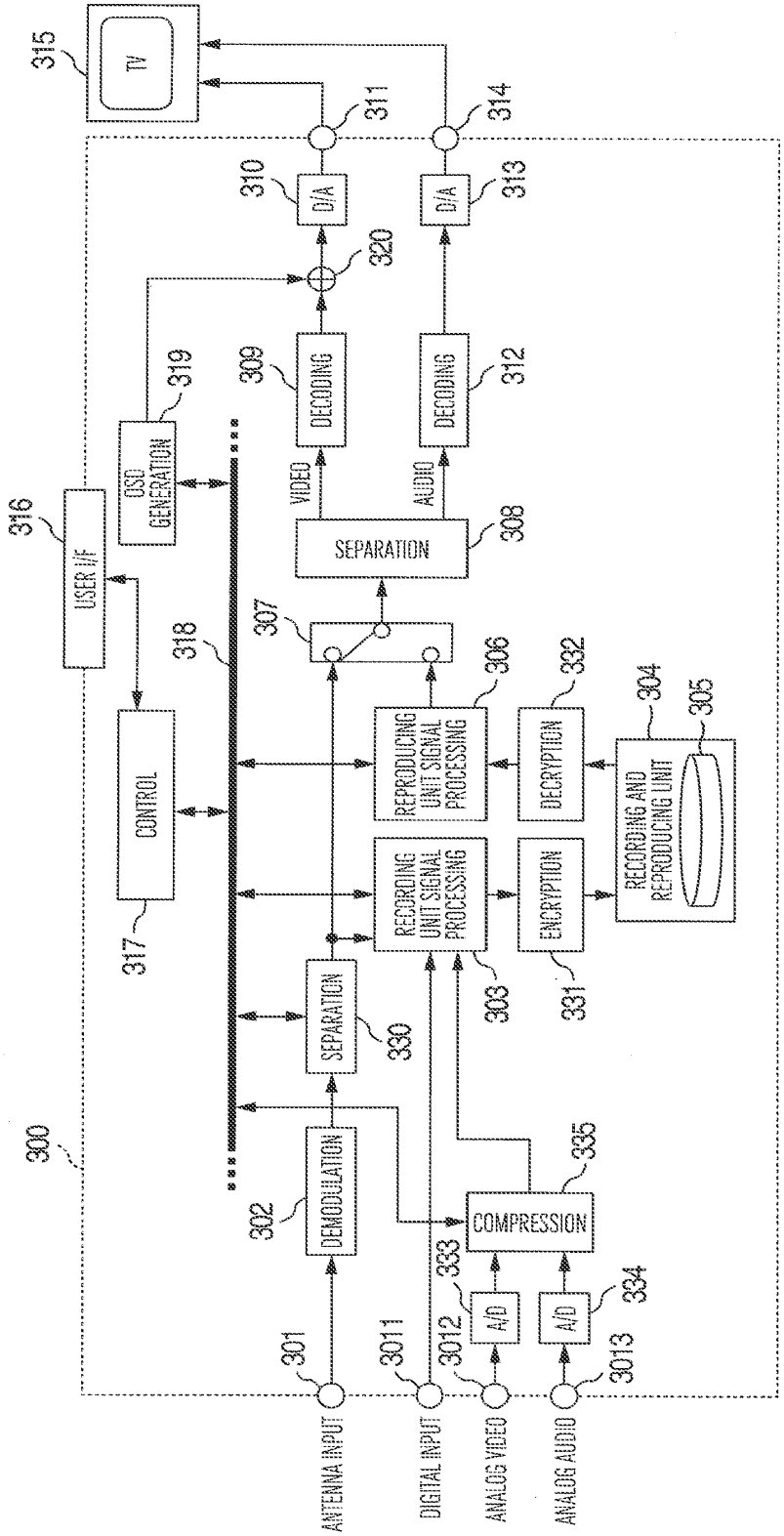

300
301
ANTENNA INPUT
3011
DIGITAL INPUT
3012
ANALOG VIDEO
3013
ANALOG AUDIO
302
DEMODULATION
330
SEPARATION
303
RECORDING UNIT SIGNAL PROCESSING
306
REPRODUCING UNIT SIGNAL PROCESSING
307
318
317
CONTROL
316
USER I/F
319
OSD GENERATION
333
A/D
334
A/D
335
COMPRESSION
331
ENCRYPTION
332
DECRYPTION
304
RECORDING AND REPRODUCING UNIT
305
308
SEPARATION
VIDEO
AUDIO
309
DECODING
312
DECODING
320
310
D/A
313
D/A
311
314
315
TV

FIG.4

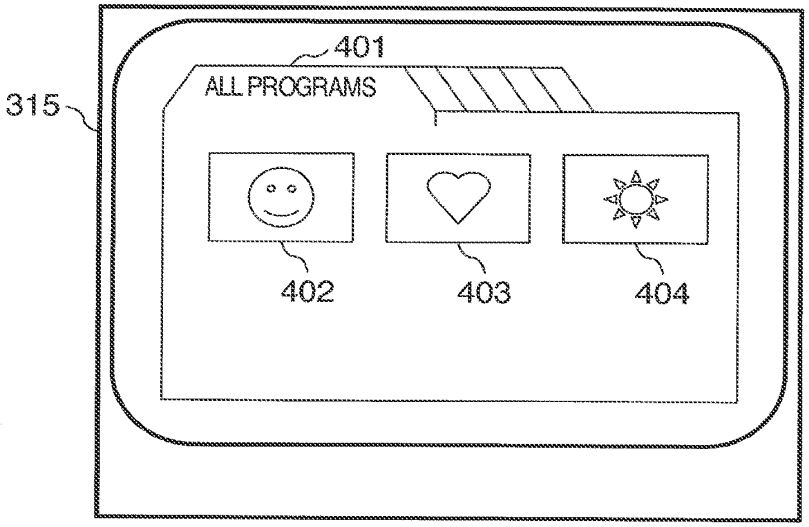

401
ALL PROGRAMS
315
402
403
404

FIG.5

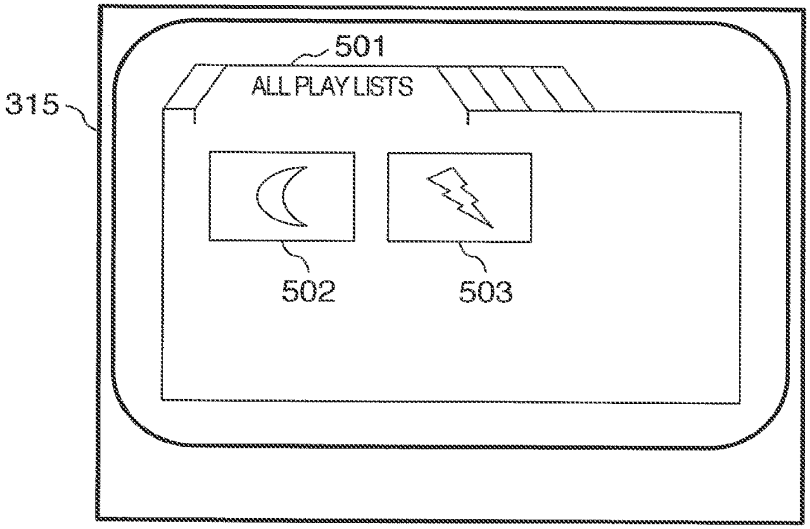

501
ALL PLAY LISTS
315
502
503

FIG.6

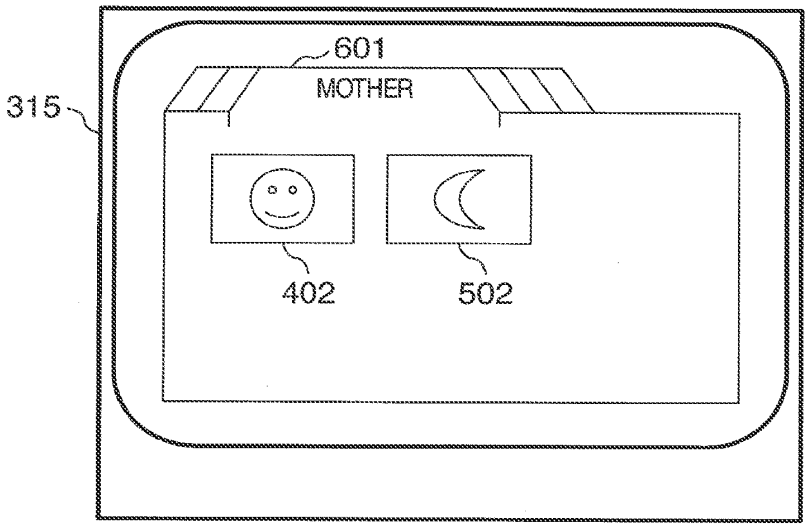


FIG.7

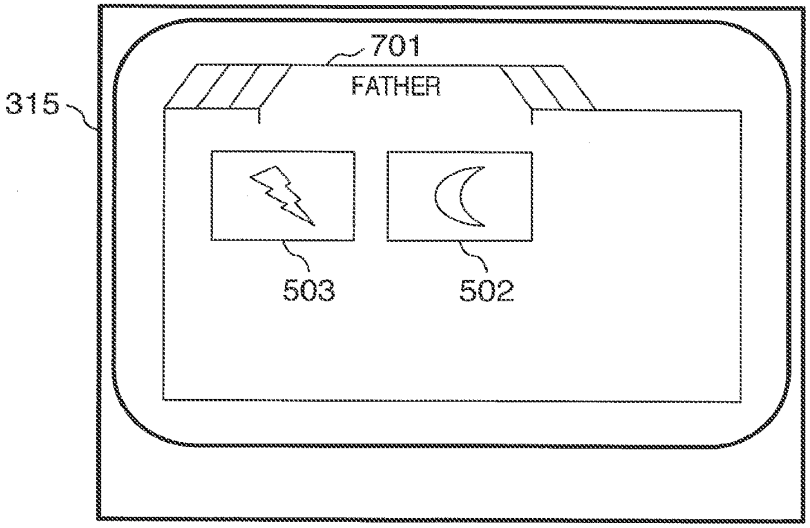


FIG.8

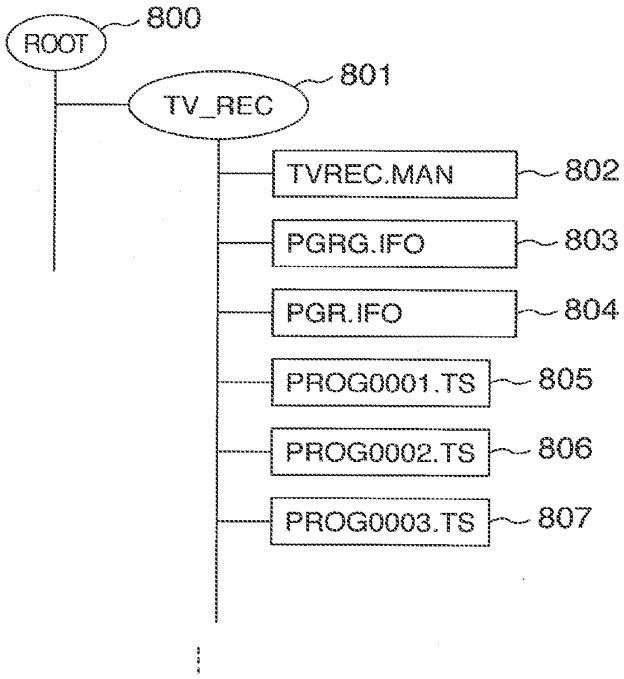

ROOT
800
TV_REC
801
TVREC.MAN
802
PGRG.IFO
803
PGR.IFO
804
PROG0001.TS
805
PROG0002.TS
806
PROG0003.TS
807

FIG.9

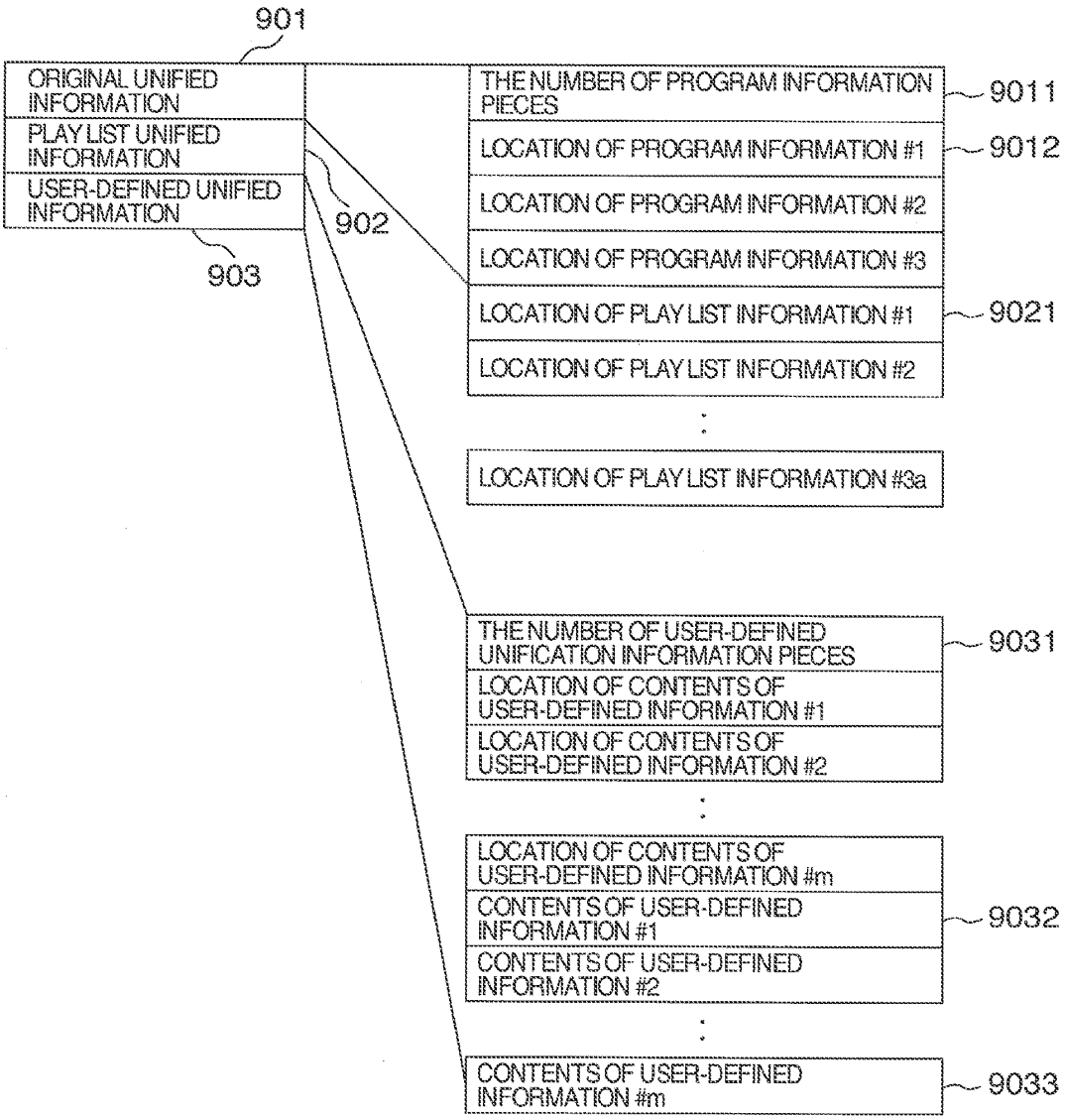

901
ORIGINAL UNIFIED INFORMATION
PLAY LIST UNIFIED INFORMATION
USER-DEFINED UNIFIED INFORMATION
902
903
THE NUMBER OF PROGRAM INFORMATION PIECES
9011
LOCATION OF PROGRAM INFORMATION #1
9012
LOCATION OF PROGRAM INFORMATION #2
LOCATION OF PROGRAM INFORMATION #3
LOCATION OF PLAY LIST INFORMATION #1
9021
LOCATION OF PLAY LIST INFORMATION #2
LOCATION OF PLAY LIST INFORMATION #3a
THE NUMBER OF USER-DEFINED UNIFICATION INFORMATION PIECES
9031
LOCATION OF CONTENTS OF USER-DEFINED INFORMATION #1
LOCATION OF CONTENTS OF USER-DEFINED INFORMATION #2
LOCATION OF CONTENTS OF USER-DEFINED INFORMATION #m
CONTENTS OF USER-DEFINED INFORMATION #1
9032
CONTENTS OF USER-DEFINED INFORMATION #2
CONTENTS OF USER-DEFINED INFORMATION #m
9033

FIG.10

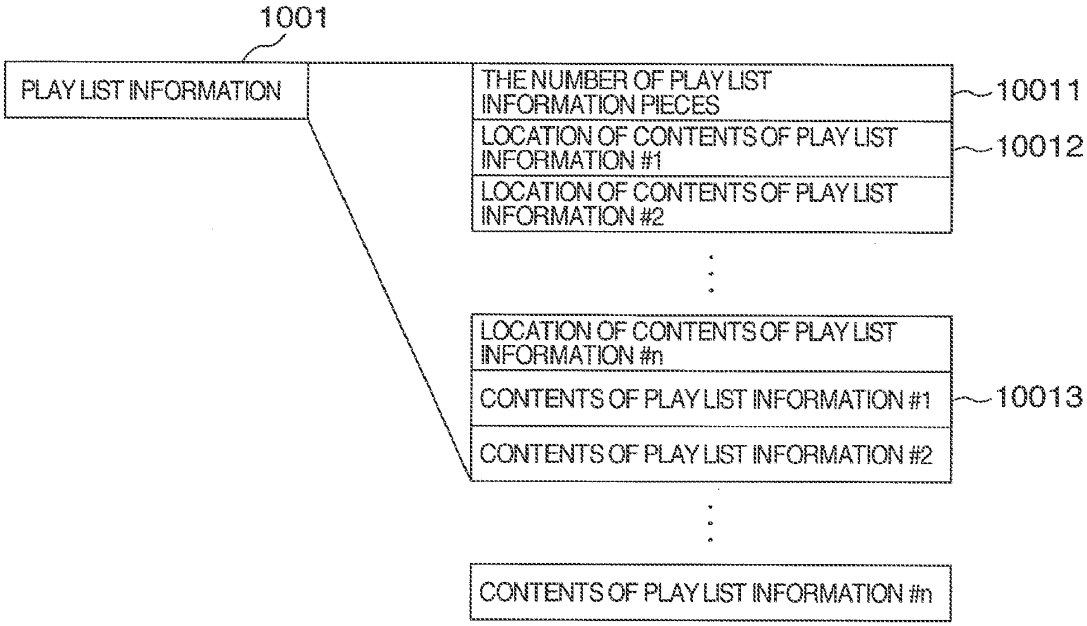

1001
PLAY LIST INFORMATION
THE NUMBER OF PLAY LIST INFORMATION PIECES
LOCATION OF CONTENTS OF PLAY LIST INFORMATION #1
LOCATION OF CONTENTS OF PLAY LIST INFORMATION #2
10011
10012
LOCATION OF CONTENTS OF PLAY LIST INFORMATION #n
CONTENTS OF PLAY LIST INFORMATION #1
CONTENTS OF PLAY LIST INFORMATION #2
10013
CONTENTS OF PLAY LIST INFORMATION #n

FIG.11

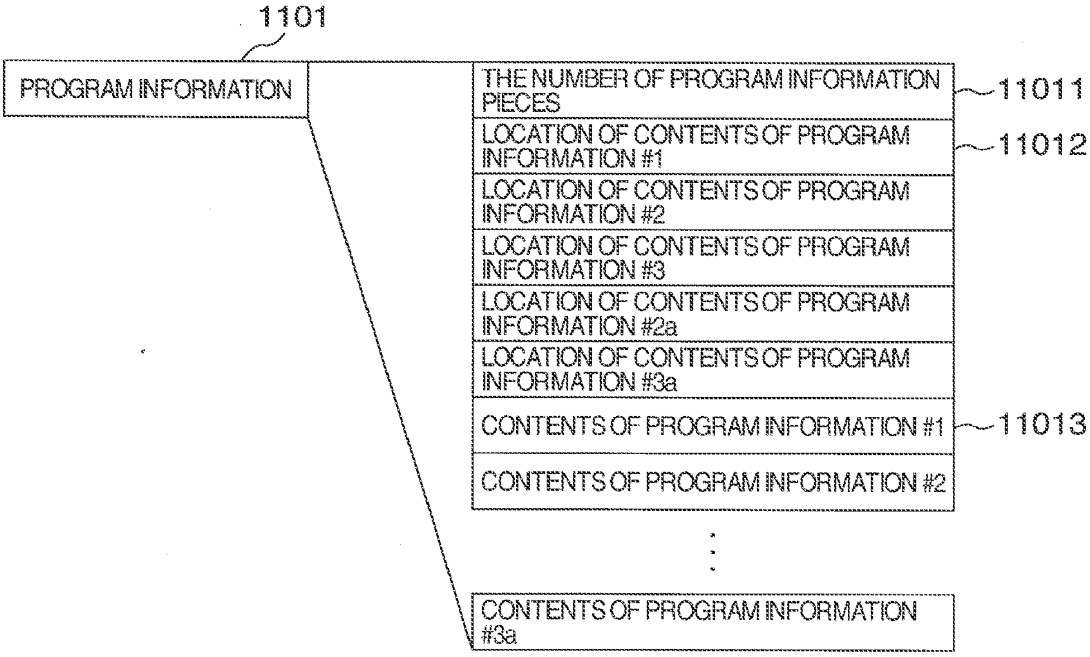

1101
PROGRAM INFORMATION
THE NUMBER OF PROGRAM INFORMATION PIECES
LOCATION OF CONTENTS OF PROGRAM INFORMATION #1
LOCATION OF CONTENTS OF PROGRAM INFORMATION #2
LOCATION OF CONTENTS OF PROGRAM INFORMATION #3
LOCATION OF CONTENTS OF PROGRAM INFORMATION #2a
LOCATION OF CONTENTS OF PROGRAM INFORMATION #3a
CONTENTS OF PROGRAM INFORMATION #1
CONTENTS OF PROGRAM INFORMATION #2
CONTENTS OF PROGRAM INFORMATION #3a
11011
11012
11013

FIG.12

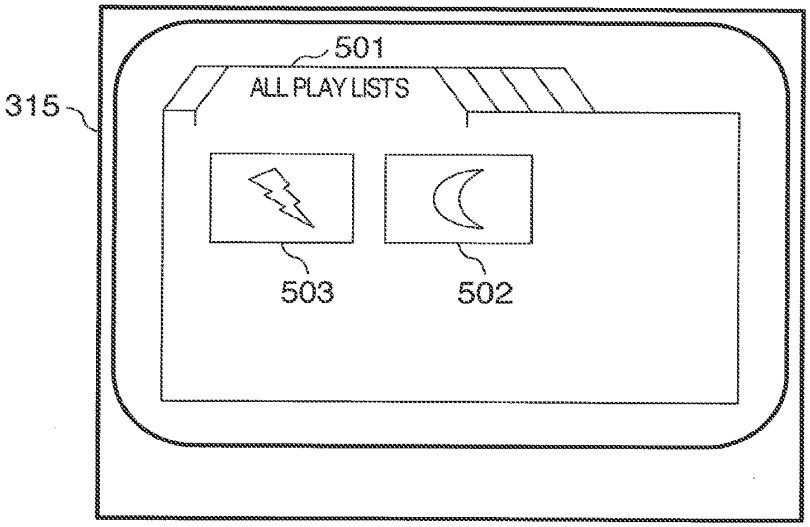
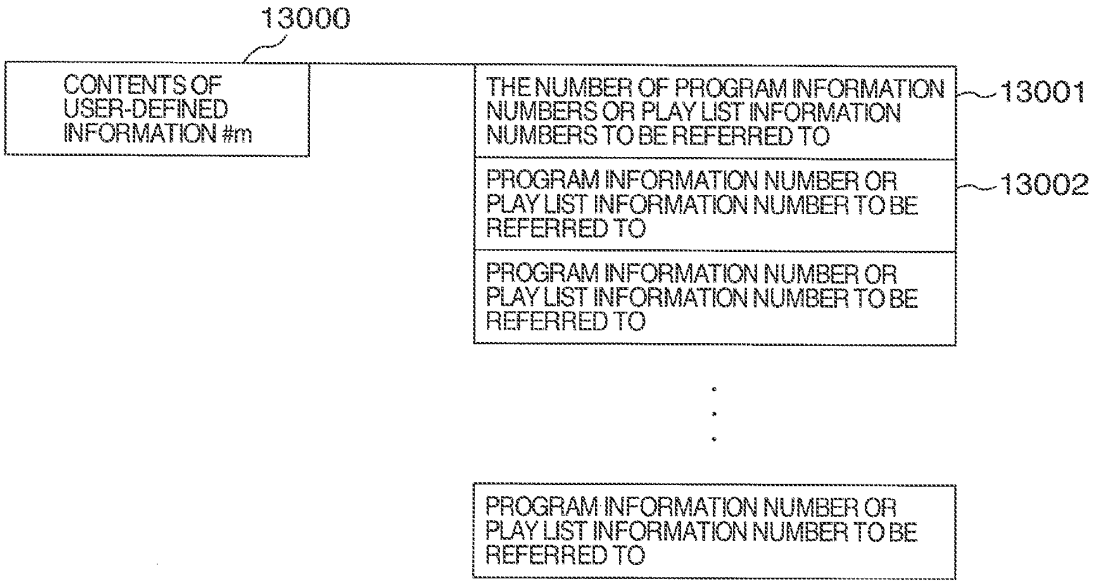

501
ALL PLAY LISTS
315
503
502

FIG.13


13000
CONTENTS OF USER-DEFINED INFORMATION #m
THE NUMBER OF PROGRAM INFORMATION NUMBERS OR PLAY LIST INFORMATION NUMBERS TO BE REFERRED TO
13001
PROGRAM INFORMATION NUMBER OR PLAY LIST INFORMATION NUMBER TO BE REFERRED TO
13002
PROGRAM INFORMATION NUMBER OR PLAY LIST INFORMATION NUMBER TO BE REFERRED TO
PROGRAM INFORMATION NUMBER OR PLAY LIST INFORMATION NUMBER TO BE REFERRED TO

Electronic Patent Application Fee Transmittal

Application Number:	
Filing Date:	
Title of Invention:	EDITING METHOD AND RECORDING AND REPRODUCING DEVICE
First Named Inventor/Applicant Name:	Susumu YOSHIDA
Filer:	John Roberts Mattingly/Krista Hargrove
Attorney Docket Number:	ASA-10782-06

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

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UTILITY APPLICATION FILING	1011	1	300	300
UTILITY SEARCH FEE	1111	1	660	660
UTILITY EXAMINATION FEE	1311	1	760	760
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**1720**

Electronic Acknowledgement Receipt	
EFS ID:	34600105
Application Number:	16221908
International Application Number:	
Confirmation Number:	6217
Title of Invention:	EDITING METHOD AND RECORDING AND REPRODUCING DEVICE
First Named Inventor/Applicant Name:	Susumu YOSHIDA
Customer Number:	24956
Filer:	John Roberts Mattingly/Krista Hargrove
Filer Authorized By:	John Roberts Mattingly
Attorney Docket Number:	ASA-10782-06
Receipt Date:	17-DEC-2018
Filing Date:	
Time Stamp:	13:15:59
Application Type:	Utility under 35 USC 111(a)

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Payment Type	CARD
Payment was successfully received in RAM	$1720
RAM confirmation Number	121718INTEFSW13164501
Deposit Account	501417
Authorized User	Krista Hargrove
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37 CFR 1.19 (Document supply fees)

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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet	10782-06-ads.pdf	1823766 aaa9f66e6aa438e6443a0f9f76f11d6f5aebec63	no	9
Warnings:					
Information:					
2	Transmittal Letter	10782-06-NoticeOfPatentinLitigation-2.pdf	15772 3950985e7c654f42124f93f7dbeae0a69f74de93	no	1
Warnings:					
Information:					
3	Transmittal Letter	10782-06-IDS.pdf	16097 8d83cea2b2a1f2b9cf83a934a61ff906d9a02a38	no	2
Warnings:					
Information:					
4	Information Disclosure Statement (IDS) Form (SB08)	10782-06-SB08A.pdf	1037567 45b9f34aa146496880e2f4f08f2193656fd63a8f	no	11
Warnings:					
Information:					
5	Power of Attorney	10782-06-poa.pdf	443242 fbeef90d890217a2cde44732accf0f193b54ceac	no	4
Warnings:					
Information:					
6		10782-06-spec.pdf	912762 823f6883a83450249cd7cc98c8896dead0461b9b	yes	12

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	Document Description	**Start**	**End**

	Abstract		12	12	
	Claims		11	11	
	Specification		1	10	
Warnings:					
Information:					
7	Oath or Declaration filed	10782-06-declaration.pdf	299498 9ce57608353b83a145dc50923980386b9a880e5b	no	4
Warnings:					
Information:					
8	Drawings-only black and white line drawings	10782-06-drawings.pdf	827205 5e2a800f1bd5827e37b1c38fa5b691876ee211a8	no	9
Warnings:					
Information:					
9	Fee Worksheet (SB06)	fee-info.pdf	34961 ef23897bedae99a86f09bb32687fda37cb1d6a05	no	2
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If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.
<u>National Stage of an International Application under 35 U.S.C. 371</u>
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.
<u>New International Application Filed with the USPTO as a Receiving Office</u>
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 Data Sheet 37 CFR 1.76	Attorney Docket Number	ASA-10782-06
	Application Number	
Title of Invention	EDITING METHOD AND RECORDING AND REPRODUCING DEVICE	

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

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

Inventor Information:

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Prefix	Given Name	Middle Name	Family Name	Suffix
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City	Tokyo	State/Province	
Postal Code	100-8220	Country i	JP

Inventor 2 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
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Residence Information (Select One) US Residency ◉ Non US Residency Active US Military Service

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Address 2	6-6, Marunouchi 1-chome, Chiyoda-ku		
City	Tokyo	State/Province	
Postal Code	100-8220	Country i	JP

Inventor 3 Remove

Legal Name

PTO/AIA/14 (11-15)
Approved for use through 04/30/2017. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	ASA-10782-06
	Application Number	
Title of Invention	EDITING METHOD AND RECORDING AND REPRODUCING DEVICE	

Prefix	Given Name	Middle Name	Family Name	Suffix
	Hiroo		OKAMOTO	

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

City	Yokohama	Country of Residence i	JP

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Address 2	6-6, Marunouchi 1-chome, Chiyoda-ku		
City	Tokyo	**State/Province**	
Postal Code	100-8220	**Country** i	JP

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

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

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

Customer Number	24956		
Email Address	ptomail@mmiplaw.com	Add Email	Remove Email

Application Information:

Title of the Invention	EDITING METHOD AND RECORDING AND REPRODUCING DEVICE		
Attorney Docket Number	ASA-10782-06	**Small Entity Status Claimed**	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	9	**Suggested Figure for Publication (if any)**	

Filing By Reference:

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

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

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

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	ASA-10782-06
	Application Number	
Title of Invention	EDITING METHOD AND RECORDING AND REPRODUCING DEVICE	

Publication Information:

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

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

Representative Information:

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

Please Select One:	● Customer Number	US Patent Practitioner	◯ Limited Recognition (37 CFR 11.9)
Customer Number	24956		

Domestic Benefit/National Stage Information:

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

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Continuation of	15808175	2017-11-09

Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15808175	Continuation of	15176435	2016-06-08	9818449	2017-11-14

Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15176435	Continuation of	14141417	2013-12-26	9384783	2016-07-05

Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14141417	Continuation of	12567898	2009-09-28	8644684	2014-02-04

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

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	ASA-10782-06
	Application Number	
Title of Invention	EDITING METHOD AND RECORDING AND REPRODUCING DEVICE	

Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
12567898	Continuation of	11203457	2005-08-11	7613383	2009-11-03

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

Foreign Priority Information:

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

Remove

Application Number	Country[i]	Filing Date (YYYY-MM-DD)	Access Code[i] (if applicable)
2004-378767	JP	2004-12-28	

Remove

Application Number	Country[i]	Filing Date (YYYY-MM-DD)	Access Code[i] (if applicable)
2004-378768	JP	2004-12-28	

Remove

Application Number	Country[i]	Filing Date (YYYY-MM-DD)	Access Code[i] (if applicable)
2004-349264	JP	2004-12-02	

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

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

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

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	ASA-10782-06
	Application Number	
Title of Invention	EDITING METHOD AND RECORDING AND REPRODUCING DEVICE	

Authorization or Opt-Out of Authorization to Permit Access:

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

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

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

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

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

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

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

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

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

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

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

PTO/AIA/14 (11-15)
Approved for use through 04/30/2017. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	ASA-10782-06
	Application Number	
Title of Invention	EDITING METHOD AND RECORDING AND REPRODUCING DEVICE	

Applicant Information:

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

Applicant 1 Remove

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

Clear

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

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

Name of the Deceased or Legally Incapacitated Inventor:

If the Applicant is an Organization check here. ☒

Organization Name	Maxell, Ltd.		
Mailing Address Information For Applicant:			
Address 1	1, Koizumi, Oyamazaki, Oyamazaki-cho Otokuni-gun		
Address 2			
City	Kyoto	**State/Province**	
Country	JP	Postal Code	618-8525
Phone Number		Fax Number	
Email Address			

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

Assignee Information including Non-Applicant Assignee Information:

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

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

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	ASA-10782-06
	Application Number	
Title of Invention	EDITING METHOD AND RECORDING AND REPRODUCING DEVICE	

Assignee 1

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

Remove

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

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

Mailing Address Information For Assignee including Non-Applicant Assignee:

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

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

Signature:

Remove

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

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

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

Signature	/John R. Mattingly/			Date (YYYY-MM-DD)	2018-12-17
First Name	John	Last Name	Mattingly	Registration Number	30293

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

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	ASA-10782-06
	Application Number	
Title of Invention	EDITING METHOD AND RECORDING AND REPRODUCING DEVICE	

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

Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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

Atty. Docket No. ASA-10782-06

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.	:	Confirmation No.	:
Applicant	: Maxell, Ltd.	TC/GAU	:
Filed	: December 17, 2018	Examiner	:
Title	: EDITING METHOD AND RECORDING AND REPRODUCING DEVICE		

Customer No.: 24956

NOTICE OF RELATED PATENT INVOLVED IN LITIGATION

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

December 17, 2018

Sir:

Applicant notifies the Office that one related patent, U.S. Patent No. 9,384,783, is involved in the following litigation:

MAXELL, LTD. v. FANDANGO MEDIA, LLC, Civil Action No. 2:17-cv-07534 AG-(SSx) (C.D. Cali.), filed October 13, 2017.

Fandango Media LLC's S.P.R. 2.5 Invalidity Contentions were filed on March 26, 2018. These contentions and prior art references documents cited therein are being submitted in an accompanying IDS.

Respectfully submitted,

MATTINGLY & MALUR, PC

/John R. Mattingly/
John R. Mattingly, Reg. No. 30,293
(703) 684-1120

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s)	:	S. YOSHIDA, et al.
		Confirmation No.: TBD
Serial No.	:	To be assigned
Filed	:	December 17, 2018
For	:	EDITING METHOD AND RECORDING AND REPRODUCING DEVICE
Group	:	To be assigned
Examiner	:	To be assigned
Docket No.	:	ASA-10782-06
Customer No.:		24956

INFORMATION DISCLOSURE STATEMENT (IDS)
UNDER § 1.97 AND § 1.98

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

December 17, 2018

Sir:

In the matter of the above-identified application, Applicants are submitting herewith a copy, where required, of the documents listed in the attached form PTO/SB/08a. It is requested that the information be considered by the Examiner during prosecution of the application, and that the references be made of record therein.

Applicants note that:

One or more references cited on the attached PTO/SB/08a was cited by or submitted to the U.S. Patent and Trademark Office in parent application No. 15/808,175, filed November 9, 2017, which is relied upon for an earlier filing date under 35 U.S.C. §120. No copies of the references are attached pursuant to 37 CFR §1.98(d).

The Commissioner is authorized to charge any shortage in the fees due, or credit any overpayment, to Deposit Account No. 50-1417.

If the PTO determines that part(s) of the required content is inadvertently omitted, then it is requested that the Applicant(s) be given additional time and specific identification of such omission(s) to enable full compliance.

Respectfully submitted,

MATTINGLY & MALUR, PC

/John R. Mattingly/
John R. Mattingly
Registration No. 30,293
703-684-1120

申請データシート(37 CFR 1.76)を使った実用及び意匠登録出願宣言書(37 CFR 1.63)

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

発明の名称 Title of Invention	EDITING METHOD AND RECORDING AND REPRODUCING DEVICE

下記発明者である私は、つぎのことがらを宣言します。

As the below named inventor, I hereby declare that:

本宣言は

This declaration is directed to:

☐ 添付されている、あるいは
The attached application, or

☒ _____に、米国出願あるいは PCT 国際出願番号_____として出願されているものに宛てられています。
United States application or PCT international application
number 14/141417 filed on December 26,2013 .

上記の出願は私自身、あるいは私が権限を譲与したものによって行われたものです。

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

私は本出願書中にあらわれるもともとの発明者、あるいはもともとの共同発明者です。

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

私は本宣言書において故意に虚偽の申し立てを行った場合は 18 U.S.C. 1001 により、罰金あるいは最高五(5)年の禁固刑、あるいはその両方による罰則の対象となることを認めます。

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

私は、特許請求の範囲を含む上記の明細書を確認し内容を理解しています。

I have reviewed and understand the contents of the above-identified application, including the claims.

私は、連邦規則法典第 37 編規則 1.56 に定義されている、特許性について重要な情報を開示する義務があることを認めます。

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

発明者の正式氏名:
LEGAL NAME OF INVENTOR: SUSUMU YOSHIDA

署名:
Signature: Susumu Yoshida

日付(任意):
Date (Optional): Feb. 17, 2014

備考:出願データシート(PTO/AIA/14 あるいはその同等用紙)は、発明の自主独立体全体の命名を含め、本用紙に添付すること。なお残余の発明者ごとにこの用紙の写しを使用する。

Note: An application data sheet (PTO/AIA/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional copy of the present form for each additional inventor.

申請データシート(37 CFR 1.76)を使った実用及び意匠登録出願宣言書(37 CFR 1.63)

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本宣言は

This declaration is directed to:

☐ 添付されている、あるいは
The attached application, or

_____に、米国出願あるいは PCT 国際出願番号_____として出願されているものに宛てられています。

☒ United States application or PCT international application

number 14/141417 filed on December 26,2013 .

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I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

発明者の正式氏名:
LEGAL NAME OF INVENTOR: JUNJI SHIOKAWA

署名:
Signature: Junji Shiokawa

日付(任意):
Date (Optional): Feb. 25, 2014

備考:出願データシート(PTO/AIA/14 あるいはその同等用紙)は、発明の自主独立体全体の命名を含め、本用紙に添付すること。なお残余の発明者ごとにこの用紙の写しを使用する。

Note: An application data sheet (PTO/AIA/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional copy of the present form for each additional inventor.

申請データシート(37 CFR 1.76)を使った実用及び意匠登録出願宣言書(37 CFR 1.63)

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

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本宣言は

This declaration is directed to:

☐ 添付されている、あるいは
The attached application, or

_____に、米国出願あるいは PCT 国際出願番号_____として出願されているものに宛てられています。

☒ United States application or PCT international application

number 14/141417 filed on December 26,2013 .

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

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I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

発明者の正式氏名:
LEGAL NAME OF INVENTOR: HIROO OKAMOTO

署名:
Signature: Hiroo Okamoto

日付(任意):
Date (Optional): Feb. 25, 2014

備考:出願データシート(PTO/AIA/14 あるいはその同等用紙)は、発明の自主独立体全体の命名を含め、本用紙に添付すること。なお残余の発明者ごとにこの用紙の写しを使用する。

Note: An application data sheet (PTO/AIA/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional copy of the present form for each additional inventor.

CERTIFICATE OF TRANSLATION

I, the below-named translator, of 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan hereby declare that I am conversant with the Japanese and English languages and that to the best of my knowledge and belief the attached Declaration includes a true and accurate translation into English of the Japanese text contained in the Declaration.

Dated July 17, 2014 Signature of Translator: Takeshi Kanai