AO 120 (Rev. 08/10)

TO:	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court for the Eastern District of Texas, Texarkana Division on the following

☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
5:19-cv-00156	11/22/2019	for the Eastern District of Texas, Texarkana Division

PLAINTIFF	DEFENDANT
Maxell, Ltd.	Hisense Co., Ltd., Hisense International Co., Ltd., Qingdao Hisense Electronics Co., Ltd., Guiyang Hisense Electronics Co., Ltd., Hisense International (Hong Kong) America Investments Co., Ltd., Hisense International (HK) Co., Ltd., Hisense Electronica Mexico S.A. de C.V.

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	6,388,713	5/14/2002	Maxell, Ltd.
2	6,037,995	3/14/2000	Maxell, Ltd.
3	9,578,369	2/21/2017	Maxell, Ltd.
4	10,327,029	6/18/2019	Maxell, Ltd.
5	10,375,341	8/6/2019	Maxell, Ltd.

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE

Copy 1—Upon initiation of action, mail this copy to Director **Copy 3—Upon termination of action, mail this copy to Director**
Copy 2—Upon filing document adding patent(s), mail this copy to Director **Copy 4—Case file copy**

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	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	10,339,893	7/2/2019	Maxell, Ltd.
2	8,913,197	12/16/2014	Maxell, Ltd.
3	6,144,412	11/7/2000	Maxell, Ltd.
4			
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In the above-—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED

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UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/889,735	08/06/2019	10375341	075425-0061	3694

20277 7590 07/17/2019

MCDERMOTT WILL & EMERY LLP
THE MCDERMOTT BUILDING
500 NORTH CAPITAL STREET, N.W.
WASHINGTON, DC 20001

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):

Masayuki HIRABAYASHI, Ibaraki, JAPAN;
MAXELL, LTD., Kyoto, JAPAN;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.

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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
15/889,735	02/06/2018	2422	2180	075425-0061	4	4

CONFIRMATION NO. 3694

CORRECTED FILING RECEIPT

20277
MCDERMOTT WILL & EMERY LLP
THE MCDERMOTT BUILDING
500 NORTH CAPITAL STREET, N.W.
WASHINGTON, DC 20001

OC000000109141214

Date Mailed: 06/25/2019

Receipt is acknowledged of this non-provisional utility patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF FIRST INVENTOR, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection.

Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections provided that the request is grantable.

Inventor(s)

Masayuki HIRABAYASHI, Ibaraki, JAPAN;

Applicant(s)

MAXELL, LTD., Kyoto, JAPAN;

Power of Attorney: The patent practitioners associated with Customer Number 20277

Domestic Priority data as claimed by applicant

This application is a CON of 14/649,895 06/04/2015 PAT 9924124
which is a 371 of PCT/JP2013/079953 11/06/2013

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 2012-267765 12/07/2012 No Access Code Provided

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 03/05/2018

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 15/889,735**

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No

Title

VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS

Preliminary Class

348

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at http://www.uspto.gov/web/offices/pac/doc/general/index.html.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign AssetsControl, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

SelectUSA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit http://www.SelectUSA.gov or call +1-202-482-6800.

Exhibit 1002
TCL v. Maxell - IPR2025-00120
Page 11 of 621

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)

20277 7590 03/22/2019
MCDERMOTT WILL & EMERY LLP
The McDermott Building
500 North Capitol Street, N.W.
WASHINGTON, DC 20001

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.
15/889,735	02/06/2018	Masayuki HIRABAYASHI	075425-0061	3694

TITLE OF INVENTION: VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS

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	06/24/2019

EXAMINER	ART UNIT	CLASS-SUBCLASS
RAHMAN, MUSTAFIZUR	2422	348-731000

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 McDermott Will & Emery LLP
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. 50-0417

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 /Tomoki Tanida/ Date June 24, 2019

Typed or printed name Tomoki Tanida Registration No. 60,453

PTOL-85 Part B (08-18) Approved for use through 01/31/2020 OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Exhibit 1002
TCL v. Maxell - IPR2025-00120
Page 12 of 621

Electronic Patent Application Fee Transmittal

Application Number:	15889735
Filing Date:	06-Feb-2018
Title of Invention:	VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS
First Named Inventor/Applicant Name:	Masayuki HIRABAYASHI
Filer:	Tomoki Tanida/Renell Feimster
Attorney Docket Number:	075425-0061

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:	36388137
Application Number:	15889735
International Application Number:	
Confirmation Number:	3694
Title of Invention:	VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS
First Named Inventor/Applicant Name:	Masayuki HIRABAYASHI
Customer Number:	20277
Filer:	Tomoki Tanida/Renell Feimster
Filer Authorized By:	Tomoki Tanida
Attorney Docket Number:	075425-0061
Receipt Date:	24-JUN-2019
Filing Date:	06-FEB-2018
Time Stamp:	13:58:33
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$1000
RAM confirmation Number	062519INTEFSW00000811500417
Deposit Account	500417
Authorized User	Renell Feimster

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)	Issue_Fee_Transmittal.pdf	229507 aaf158dcbf5b3a1c4454f652aed9ccfc21ad1300	no	1
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30281 a601dfee33b4b107ae23c34b67063618541c99c4	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	259788		

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

Doc Code: R46C.REQ
Document Description: Request under 37 CFR 1.46(c) to correct, update or change the applicant.

PTO/AIA/41 (04-15)
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 displays a valid OMB control number.

REQUEST TO CORRECT OR UPDATE THE NAME OF THE APPLICANT UNDER 37 CFR 1.46(c)(1), OR CHANGE THE APPLICANT UNDER 37 CFR 1.46(c)(2)
(FOR USE ONLY IN APPLICATIONS FILED ON OR AFTER SEPTEMBER 16, 2012)

Application Number	15/889,735
Filing Date	February 6, 2018
First Named Inventor	Masayuki Hirabayashi
Art Unit	2422
Examiner Name	M. Rahman
Practitioner Docket Number	075425-0061

To: **Commissioner for Patents**
P.O. Box 1450
Alexandria, VA 22313-1450

Applicant hereby **requests that the name of the applicant be corrected or updated under 37 CFR 1.46(c)(1), or that the applicant be changed under 37 CFR 1.46(c)(2),** in the above-identified application. **Requests under 37 CFR 1.46(c)(1) or (c)(2) cannot be submitted after payment of the issue fee or if the application has been patented.**

Please check the applicable box(es) below.

☐ 1. This request is to **correct or update the name of the applicant (under 37 CFR 1.46(c)(1))** and includes:

☐ An application data sheet (ADS) in accordance with 37 CFR 1.76(c) with the corrected or updated information shown with markings (*e.g.*, underlining for insertions, strikethrough for deletions). A Corrected Web-based ADS may be used.

Note: Requests under 37 CFR 1.46(c)(1) may be filed to correct typographical errors in the name of the § 1.46 applicant, or for updating the name of the § 1.46 applicant (*i.e.*, where there is no change in the applicant itself but just in the applicant's name). See the Manual of Patent Examining Procedure (MPEP) section 605.01.

☒ 2. This request is to **change the applicant (under 37 CFR 1.46(c)(2))** and includes:

☒ An application data sheet (ADS) in accordance with 37 CFR 1.76(c) that identifies the changes with proper markings (underlining for insertions and strikethrough for deletions). A Corrected Web-based ADS may be used.

☒ A Statement Under 37 CFR 3.73(c) (Form PTO/AIA/96 or equivalent). See MPEP 325.

I am the

☐ applicant* ☒ attorney or agent of record Registration number 60,453 ☐ attorney or agent acting under 37 CFR 1.34 Registration number _____

Signature /Tomoki Tanida/

Typed or printed name Tomoki Tanida

Date June 19, 2019

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. *Juristic entities must be represented by a patent practitioner (See 37 CFR 1.31, applicable to any paper filed on or after September 16, 2012 that is presented on behalf of a juristic entity, regardless of application filing date). Submit multiple forms if more than one signature is required, see below**.

☒ ** Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 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.

PTO/AIA/96 (08-12)
Approved for use through 01/31/2013. 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 displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(c)

Applicant/Patent Owner: MAXELL, LTD.

Application No./Patent No.: 15/889,735 Filed/Issue Date: February 6, 2018

Titled: VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS

MAXELL, LTD. , a corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that, for the patent application/patent identified above, it is (choose one of options 1, 2, 3 or 4 below):

1. [x] The assignee of the entire right, title, and interest.

2. [ ] An assignee of less than the entire right, title, and interest (check applicable box):

   [ ] The extent (by percentage) of its ownership interest is _____ %). Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.

   [ ] There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

   Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

3. [ ] The assignee of an undivided interest in the entirety (a complete assignment from one of the joint inventors was made). The other parties, including inventors, who together own the entire right, title, and interest are:

   Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

4. [ ] The recipient, via a court proceeding or the like (*e.g.*, bankruptcy, probate), of an undivided interest in the entirety (a complete transfer of ownership interest was made). The certified document(s) showing the transfer is attached.

The interest identified in option 1, 2 or 3 above (not option 4) is evidenced by either (choose one of options A or B below):

A. [x] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

B. [ ] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

   1. From: _____ To: _____
      The document was recorded in the United States Patent and Trademark Office at
      Reel _____, Frame _____, or for which a copy thereof is attached.

   2. From: _____ To: _____
      The document was recorded in the United States Patent and Trademark Office at
      Reel _____, Frame _____, or for which a copy thereof is attached.

PTO/AIA/96 (08-12)
Approved for use through 01/31/2013. 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 displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(c)

3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

4. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

5. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

6. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

☒ As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/Tomoki Tanida/	June 19, 2019
Signature	Date
Tomoki Tanida	60,453
Printed or Typed Name	Title or Registration Number

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.

CORRECTED APPLICATION DATA SHEET

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	075425-0061
	Application Number	15/889,735

Title of Invention	VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS

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

Secrecy Order 37 CFR 5.2:

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

Inventor Information:

Inventor 1 — Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Masayuki		HIRABAYASHI	

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

City	Ibaraki	Country of Residence i	JP

Mailing Address of Inventor:

Address 1	c/o Hitachi Maxell, Ltd.		
Address 2	1-88, Ushitora 1-chome, Ibaraki-shi		
City	Osaka	State/Province	
Postal Code	567-8567	Country i	JP

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

Correspondence Information:

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

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

Customer Number	20277		
Email Address	ipdocketmwe@mwe.com	Add Email	Remove Email

Application Information:

Title of the Invention	VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS		
Attorney Docket Number	075425-0061	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	29	Suggested Figure for Publication (if any)	

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	075425-0061
	Application Number	15/889,735
Title of Invention	VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS	

Filing By Reference:

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

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

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

Publication Information:

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

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

Representative Information:

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

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	20277		

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	14/649895	2015-06-04

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	075425-0061
	Application Number	15/889,735
Title of Invention	VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS	

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
14649895	a 371 of international	PCT/JP2013/079953	2013-11-06
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.			

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[j] (if applicable)
2012-267765	JP	2012-12-07	
Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.			

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	075425-0061
	Application Number	15/889,735
Title of Invention	VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS	

Authorization or Opt-Out of Authorization to Permit Access:

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

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

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

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

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

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

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

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

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

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

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

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	075425-0061
	Application Number	15/889,735
Title of Invention	VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS	

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

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	~~Hitachi Maxell, Ltd.~~ MAXELL, LTD.

Mailing Address Information For Applicant:

Address 1	~~1-88, Ushitera 1-chome, Ibaraki-shi~~ 1, Koizumi, Oyamazaki, Oyamazaki-cho, Otokuni-gun		
Address 2			
City	~~Osaka~~ Kyoto	**State/Province**	
Country JP		Postal Code	~~567-8567~~ 618-8525
Phone Number		Fax Number	
Email Address			

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

Assignee Information including Non-Applicant Assignee Information:

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

PTO/AIA/14 (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	075425-0061
	Application Number	15/889,735
Title of Invention	VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS	

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.

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.

Signature:

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	/Tomoki Tanida/			Date (YYYY-MM-DD)	2019-06-19
First Name	Tomoki	Last Name	Tanida	Registration Number	60,453

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

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	075425-0061
	Application Number	15/889,735
Title of Invention	VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS	

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 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 Acknowledgement Receipt

EFS ID:	36348208
Application Number:	15889735
International Application Number:	
Confirmation Number:	3694
Title of Invention:	VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS
First Named Inventor/Applicant Name:	Masayuki HIRABAYASHI
Customer Number:	20277
Filer:	Tomoki Tanida/Renell Feimster
Filer Authorized By:	Tomoki Tanida
Attorney Docket Number:	075425-0061
Receipt Date:	19-JUN-2019
Filing Date:	06-FEB-2018
Time Stamp:	15:35:02
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Req to correct/update/change appl name until pay issue fee	Request_to_Correct_Applicant.pdf	2460003 29eadd3238078eec21e8fe0298b532c352a0291d	no	1

Warnings:

Information:					
2	Assignee showing of ownership per 37 CFR 3.73	373c.pdf	1639055 c292dc1ef0668b62dbc23f1d120bad07d6136d89	no	2
Warnings:					
Information:					
3	Oath or Declaration filed	Combined_Dec_Assign.pdf	1629982 bc0be2a7c04341b7fcc312f42d41689b6be9e30c	no	4
Warnings:					
Information:					
4	Application Data Sheet	Corrected_ADS.pdf	4078744 210c3e633e9afec510b0b3a5adbaffb67648e39b	no	8
Warnings:					
Information:					
This is not an USPTO supplied ADS fillable form					
		Total Files Size (in bytes):	9807784		

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.

Docket No. 075425-0061
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Masayuki HIRABAYASHI	: Customer Number: 20277
Application No.: 15/889,735	: Confirmation No.: 3694
Filed: February 6, 2018	: Art Unit: 2422
For: VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS	: Examiner: M. Rahman

STATEMENT REGARDING ENGLISH TRANSLATION OF DECLARATION

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

Sir:

I, Tomoki Tanida, am fluent in Japanese and I hereby certify that the attached English translation of the Declaration is an accurate translation.

Respectfully submitted,

MCDERMOTT WILL & EMERY LLP

/Tomoki Tanida/

Tomoki Tanida
Registration No. 60,453

500 North Capitol Street, N.W
Washington, DC 20001
Phone: (202) 756-8196 TT:lcb
Facsimile: (202) 756-8087
Date: June 19, 2019

Please recognize our Customer No. 20277 as our correspondence address.

Exhibit 1002
TCL v. Maxell - IPR2025-00120
Page 30 of 621

COMBINED DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION
特許出願の宣誓書および譲渡書

As a below named inventor, I hereby declare that:

私は、下記に記名された発明者として、以下について宣誓する：

I believe I am the original or an original joint inventor of a claimed invention in the application for which a patent is sought on the invention entitled:

私は、下記の名称の発明について、特許が求められている、本願の請求項に係る発明のもともとの発明者、または、もともとの共同発明者である：

VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS

This declaration is directed to:
この宣誓書は：

☐ the attached application, or
添付された出願、または

☒ United States application number or PCT international application number **15/889,735** filed on **February 6, 2018** and
United States application number **16/433,708** filed on **June 6, 2019**.

_____に出願された米国出願もしくはPCT国際出願番号_____に宛てられている。

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

上記の出願は、私自身、または私が権限を授与したものによって行われたものである。

In the event that the filing date and/or application number are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request the registered practitioners of **McDermott Will & Emery LLP**, associated with the Customer Number 20277, to insert above the filing date and/or application number of the application.

私がこの文書に署名する際に出願日および／または出願番号が記入されていない場合であって、その情報が必要であると認められる場合、私は、カスタマーナンバー２０２７７のMcDermott Will & Emery LLPの登録実務家が、本願の出願日および／または出願番号を記入すること承認する。

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.

本宣誓書において、故意に虚偽の申立を行った場合は、18 U.S.C. 1001により、罰金、最高5年の禁固刑、またはその両方の対象となることを認める。

ASSIGNMENT
譲渡書

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned, who have made a certain new and useful invention, hereby sell, assign and transfer unto

MAXELL, LTD.

having an address at 1, Koizumi, Oyamazaki, Oyamazaki-cho, Otukuni-gun, Kyoto, 618-8525, JAPAN

(hereinafter designated as the Assignee), its successors and assigns the entire right, title and interest for the United States of America as defined in 35 U.S.C. § 100 in the invention described in the application identified in this document, and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the Assignee, for its interest as Assignee, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in the application shall hereafter act on behalf of the Assignee;

新規かつ有用な発明をした署名者は、既述の事項および有効な約因が十分であることを確認し、ここに、上記の住所を持つ譲受人、その相続人および承継人に対し、この文書で特定された出願に開示された発明につき、35 U.S.C. §100で定義されるアメリカ合衆国における、全ての権利、所有権、および利益を譲渡し、署名者は、特許庁長官に対し、その発明についての全ての米国特許権、および全ての存続期間の延長特許、分割出願の特許、再発行特許、代替出願の特許、更新出願の特許、継続出願の特許、または一部継続出願の特許の発行を要請し、さらに、工業所有権の保護に関する国際条約の下で認められる全ての利益に対する権利を、譲受人、その相続人、その承継人に譲渡および移転する。署名者は、本願の代理人が、譲受人を代理することに同意する。

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the Assignee, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the Assignee, its successors, assigns and legal representatives, deemed essential to Assignee's full protection and title in and to the invention hereby transferred.

署名者は、類似の権利を譲渡することに同意し、譲受人、その相続人、承継人、および法定代理人の求めにより、さらなる報酬を要求することなく、上記発明に関連して得られる改良発明、その改良発明に基づく特許出願について、出願の作成、最初の特許、その分割出願の特許、再発行特許、および延長特許を米国において取得するための全ての必要な援助を行うこと同意すると共に、譲受人、その相続人、承継人、および法定代理人によって作成された、譲受人がここで譲渡される発明の保護と権利に必須と思われるいかなる文書に署名することに同意する。

Legal name of first inventor	
Masayuki HIRABAYASHI	
First inventor's signature	Date
Masayuki Hirabayashi	June 17, 2019

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P● Box 145●
Alexandria, Virginia 22313-145●
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/889,735	02/06/2018	Masayuki HIRABAYASHI	075425-0061	3694

20●277 759● ●6/13/2●19

MCDERMOTT WILL & EMERY LLP
THE MCDERMOTT BUILDING
500 NORTH CAPITAL STREET, N.W.
WASHINGTON, DC 20001

EXAMINER	
RAHMAN, MUSTAFIZUR	

ART UNIT	PAPER NUMBER
2422	

NOTIFICATION DATE	DELIVERY MODE
06/13/2019	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):

ipdocketmwe@mwe.com

UNITED STATES DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR/ PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
15/889,735	02/06/2018	HIRABAYASHI, Masayuki	075425-0061

MCDERMOTT WILL & EMERY LLP
THE MCDERMOTT BUILDING 500 NORTH CAPITAL STREET, N.W.
WASHINGTON, DC 20001

EXAMINER	
MUSTAFIZUR RAHMAN	
ART UNIT	**PAPER**
2422	20190605

DATE MAILED: _____

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

Commissioner for Patents

Amendment under 312 05/21/2019 has been enter

/MUSTAFIZUR RAHMAN/ Examiner, Art Unit 2422	/JEFFEREY F HAROLD/ Supervisory Patent Examiner, Art Unit 2422

PTO-90C (Rev.04-03)

Response to Rule 312 Communication	Application No.	Applicant(s)	
	15/889,735	HIRABAYASHI, Masayuki	
	Examiner	Art Unit	AIA Status
	MUSTAFIZUR RAHMAN	2422	No

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

1. ☑ The amendment filed on 21 May 2019 under 37 CFR 1.312 has been considered, and has been:
   a) ☑ entered.
   b) ☐ entered as directed to matters of form not affecting the scope of the invention.
   c) ☐ disapproved because the amendment was filed after the payment of the issue fee.
      Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.
   d) ☐ disapproved. See explanation below.
   e) ☐ entered in part. See explanation below.

/JEFFEREY F HAROLD/
Supervisory Patent Examiner, Art Unit 2422

OK TO ENTER: /M.R/

Docket No.: 075425-0061
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:	: Customer Number: 20277
Masayuki HIRABAYASHI	: Confirmation Number: 3694
Application No.: 15/889,735	: Group Art Unit: 2422
Filed: February 6, 2018	: Allowed: March 22, 2019
For: VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS	: Examiner: M. Rahman

AMENDMENT AFTER ALLOWANCE UNDER 37 C.F.R. § 1.312

MS Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INTRODUCTORY COMMENTS

Prior to issuance of the patent, applicant respectfully requests entry of this amendment under 37 C.F.R. 1.312 for the above-captioned patent application.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 6 of this paper.

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/889,735	02/06/2018	Masayuki HIRABAYASHI	075425-0061

CONFIRMATION NO. 3694

IMPROPER CFR REQUEST

20277
MCDERMOTT WILL & EMERY LLP
The McDermott Building
500 North Capitol Street, N.W.
WASHINGTON, DC 20001



Date Mailed: 05/23/2019

RESPONSE TO REQUEST FOR CORRECTED FILING RECEIPT

Power of Attorney, Claims, Fees, System Limitations, and Miscellaneous

In response to your request for a corrected Filing Receipt, the Office is unable to comply with your request because:

- The ADS submitted on 05/21/2019 attempts to change the applicant but cannot be entered. Any request to change the applicant once the applicant has been specified must include (1) an application data sheet specifying the new applicant in the Applicant Information section, and (2) a statement under 37 CFR 3.73(c) (USPTO Form PTO/AIA/96 or an equivalent) to show chain of title to the new applicant. The application data sheet must contain markings to show the information that is being changed, with underlining for additions and strike-through or brackets for deletions. See 37 CFR 1.76(c)(2).

In order to make changes to the information of record, an ADS must be properly signed and properly marked up relative to the current information of record.

Proper signature: The ADS must be signed with a handwritten signature or proper S-signature by:

- A patent practitioner, with the practitioner's registration number accompanying the signature (e.g., immediately below or adjacent to the signature), or
- The applicant, if the applicant is an individual other than the inventor(s) and no power of attorney has been appointed, or
- All of the inventors, if no other applicant has been established and no power of attorney has been appointed.

A proper S-signature consists of only letters and/or Arabic numerals, with appropriate spaces and commas, periods, apostrophes, or hyphens for punctuation contained between a first single forward slash mark before, and a second single forward slash mark after, the S-signature.

Proper markings: The ADS must identify the changes being made with underlining for insertions and strike-through or brackets for text removed. No other markings or indications are acceptable. Where an ADS providing corrected or updated information does not contain all of the sections of the ADS, the entire section in which changes are being made must be included in the ADS. Information of record can generally be found on the latest filing receipt.

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

/mmasfaw/

Exhibit 1002
TCL v. Maxell - IPR2025-00120
Page 39 of 621

Electronic Acknowledgement Receipt

EFS ID:	36076575
Application Number:	15889735
International Application Number:	
Confirmation Number:	3694
Title of Invention:	VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS
First Named Inventor/Applicant Name:	Masayuki HIRABAYASHI
Customer Number:	20277
Filer:	Tomoki Tanida/Renell Feimster
Filer Authorized By:	Tomoki Tanida
Attorney Docket Number:	075425-0061
Receipt Date:	21-MAY-2019
Filing Date:	06-FEB-2018
Time Stamp:	16:55:27
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Amendment after Notice of Allowance (Rule 312)	312_Amendment.pdf	2163673 712e6f44bfc15ab957a3809b1dff1236fdfad572	no	6

Warnings:

Information:		
	Total Files Size (in bytes):	2163673

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.

Docket No.: 075425-0061
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:	: Customer Number: 20277
Masayuki HIRABAYASHI	: Confirmation Number: 3694
Application No.: 15/889,735	: Group Art Unit: 2422
Filed: February 6, 2018	: Allowed: March 22, 2019
For: VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS	: Examiner: M. Rahman

AMENDMENT AFTER ALLOWANCE UNDER 37 C.F.R. § 1.312

MS Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INTRODUCTORY COMMENTS

Prior to issuance of the patent, applicant respectfully requests entry of this amendment under 37 C.F.R. 1.312 for the above-captioned patent application.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 6 of this paper.

AMENDMENTS TO THE CLAIMS

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

Listing of Claims:

1. (Currently Amended) A video display apparatus comprising:

a display unit that displays a video content from a broadcast station or from a video content delivery source;

a communication unit that executes two types of bi-directional wireless communication including first bi-directional wireless communication with a first wireless control device without going via a router and second bi-directional wireless communication via a router with a second wireless control device that is different from the first wireless control device;

an infrared receiver unit that receives infrared rays from a third wireless control device; and

a controller that controls the display unit, the communication unit and the infrared receiver unit,

wherein, if a first command for changing a video content on the display unit from a first video content selected by the first wireless control device to a second video content is transmitted from the second wireless control device to the communication unit via the router during the first video content is displayed on the display unit, the display unit terminates displaying the first video content and starts to display the second video content and the communication unit sends first information for informing termination of the displaying of the first video content to the first wireless control device without going via a router, and

wherein, if a second command for changing a video content on the display unit from a second video content selected by the second wireless control device to another video content is transmitted from the third wireless control device to the infrared receiver unit by infrared rays during the second video content is displayed on the display unit, the display unit terminates displaying the second video content and starts to display another video content and the communication unit sends second information for informing termination of the displaying of the second video content via the router to the second wireless control device.

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Page 43 of 621

2. (Currently Amended) A method for changing a content on [[the]] a video display apparatus comprising:

displaying step to display a video content from a broadcast station or from a video content delivery source, on a display unit of the video display apparatus;

first communication step to execute bi-directional wireless communication with a first wireless control device without going via a router;

second communication step to execute bi-directional wireless communication via a router with a second wireless control device that is different from the first wireless control device; and

infrared ray receiving step to receive infrared rays from a third wireless control device;

wherein, if a first command for changing a video content on the display unit from a first video content selected by the first wireless control device to a second video content is transmitted from the second wireless control device to the video display apparatus via the router during the first video content is displayed on the display unit, the video display apparatus terminates displaying the first video content and starts to display the second video content and the video display apparatus sends first information for informing termination of the displaying of the first video content to the first wireless control device without going via a router, and

wherein, if a second command for changing a video content on the display unit from a second video content selected by the second wireless control device to another video content is transmitted from the third wireless control device to the video display apparatus by infrared rays during the second video content is displayed on the display unit, the display unit terminates displaying the second video content and starts to display another video content and the video display apparatus sends second information for informing termination of the displaying of the second video content via the router to the second wireless control device.

3. (Currently Amended) A video display apparatus comprising:

a display unit that displays a video content from a broadcast station or from a video content delivery source;

a communication unit that executes two types of bi-directional wireless communication including first bi-directional wireless communication with a first wireless control device without

Exhibit 1002
TCL v. Maxell - IPR2025-00120
Page 44 of 621

going via a router and second bi-directional wireless communication via a router with a second wireless control device that is different from the first wireless control device;

an infrared receiver unit that receives infrared rays from a third wireless control device; and

a controller that controls the display unit, the communication unit and the infrared receiver unit,

wherein, if a first command for changing a video content on the display unit from a first video content selected by the first wireless control device to another video content is transmitted from the second wireless control device to the communication unit via the router during the first video content is displayed on the display unit, the display unit terminates displaying the first video content for changing a content to be displayed from the first video content to another video content and the communication unit sends first information for informing termination of the displaying of the first video content to the first wireless control device without going via a router, and

wherein, if a second command for changing a video content on the display unit from a second video content selected by the second wireless control device to another video content is transmitted from the third wireless control device to the infrared receiver unit by infrared rays during the second video content is displayed on the display unit, the display unit terminates displaying the second video content for changing a content to be displayed from the second video content to another video content and the communication unit sends second information for informing termination of the displaying of the second video content via the router to the second wireless control device.

4. (Currently Amended) A method for changing a content on [[the]] a video display apparatus comprising:

displaying step to display a video content from a broadcast station or from a video content delivery source, on a display unit of the video display apparatus;

first communication step to execute bi-directional wireless communication with a first wireless control device without going via a router;

second communication step to execute bi-directional wireless communication via a router with a second wireless control device that is different from the first wireless control device; and

infrared ray receiving step to receive infrared rays from a third wireless control device;

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wherein, if a first command for changing a video content on the display unit from a first video content selected by the first wireless control device to another video content is transmitted from the second wireless control device to the video display apparatus via the router during the first video content is displayed on the display unit, the video display apparatus terminates displaying the first video content for changing a content to be displayed from the first video content to another video content and the video display apparatus sends first information for informing termination of the displaying of the first video content to the first wireless control device without going via a router, and

wherein, if a second command for changing a video content on the display unit from a second video content selected by the second wireless control device to another video content is transmitted from the third wireless control device to the video display apparatus by infrared rays during the second video content is displayed on the display unit, the display unit terminates displaying the second video content for changing a content to be displayed from the second video content to another video content and the video display apparatus sends second information for informing termination of the displaying of the second video content via the router to the second wireless control device.

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Page 46 of 621

REMARKS

Claims 1 - 4 are amended to correct grammar and typographically errors. No new matter has been added.

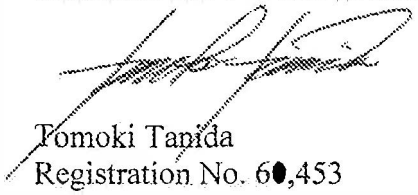
If it is determined that a telephone conference would expedite the prosecution of this application, the Examiner is invited to telephone the undersigned at the number given below.

In the event the U.S. Patent and Trademark Office determines that an extension is required, applicant petitions for any required relief including extensions of time and authorizes the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No. 50-0417 referencing docket no. 075425-0061.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 50-0417, under Order No. 075425-0061 from which the undersigned is authorized to draw.

Respectfully submitted,

MCDERMOTT WILL & EMERY LLP



Tomoki Tanida
Registration No. 60,453

The McDermott Building
500 North Capitol Street, NW
Washington, DC 20001-1531
Phone: (202) 756-8196 TT:rf
Facsimile: (202) 756-8087
Date: May 21, 2019

Please recognize our Customer No. 20277 as our correspondence address.

Exhibit 1002
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Page 47 of 621

CORRECTED ADS FORM

Application Number	15889735
Title of Invention	VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS

Inventor Information

****If no data is shown, no data has been corrected****

	Data of Record	Updated Data
Order Number	1	
Name	Masayuki HIRABAYASHI	
Residence Information		
Residency	non-us-residency	
City	Ibaraki	
State		
Country of Residence	JP	
Mailing Address of Inventor		
Address 1	~~c/o Hitachi Maxell, Ltd.~~	c/o Maxell, Ltd.
Address 2	~~1-88, Ushitora-1-chome, Ibaraki-shi~~	1, Koizumi, Oyamazaki, Oyamazaki-cho, Otokuni-gun
City,State/Province, Postal Code	~~Osaka 567-8567~~	Kyoto 618-8525
Country	JP	

Document Description: Application Data Sheet to update/correct info
Doc Code: ADS.CORR

Application Information

	Data of Record	Updated Data
Title of Invention	VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS	
Attorney Docket Number	075425-0061	
Entity Type	Regular Undiscounted	

Domestic Benefit/National Stage Information

****If no data is shown, no data has been corrected****

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 this 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(a).

		Data of Record	Updated Data
	Prior Application Status		
	Application Number		
	Continuity Type		
	Prior Application Number		
	Filing Date (YYYY-MM-DD)		
	Patent Number		
	Issue Date (YYYY-MM-DD)		

Foreign Priority Information

Document Description: Application Data Sheet to update/correct info
Doc Code: ADS.CORR

****If no data is shown, no data has been corrected****

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) 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).

		Data of Record	Updated Data
	Application Number		
	Country		
	Filing Date		
	Access Code		

Applicant Information

****If no data is shown, no data has been corrected****
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.

	Data of Record	Updated Data
Applicant Type	ASG	
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		
Applicant is an Organization	Yes	
Name		
Organization Name	~~Hitachi Maxell, Ltd.~~	Maxell, Ltd.
Address 1		1, Koizumi, Oyamazaki, Oyamazaki-cho, Otokuni-gun
Address 2		

City,State/Province,Postal Code	~~Osaka~~	Kyoto 618-8525
Country	JP	
Phone Number		
Fax Number		
Email Address		

Assignee Information including Non-Applicant Assignee Information

****If no data is shown, no data has been corrected****
Providing this information in the application data sheet does not substitute for compliance with any requirement of part 3 of Title 37 of the CFR to have an assignment recorded in the Office

	Data of Record	Updated Data
Order		
Applicant is an Organization		
Name		
Organization Name		

Mailing Address

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

Signature

NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b).

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	/Tomoki Tanida/	Registration Number	60453
First Name	Tomoki	Last Name	Tanida

Electronic Acknowledgement Receipt

EFS ID:	36042599
Application Number:	15889735
International Application Number:	
Confirmation Number:	3694
Title of Invention:	VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS
First Named Inventor/Applicant Name:	
Customer Number:	20277
Filer:	Tomoki Tanida/Renell Feimster
Filer Authorized By:	Tomoki Tanida
Attorney Docket Number:	075425-0061
Receipt Date:	21-MAY-2019
Filing Date:	06-FEB-2018
Time Stamp:	16:45:32
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet to update/ correct info	CorrectedADS.pdf	66330 f1bef9ae7d9cd27787d96630da56c0d068873bb1	no	5

Warnings:

Information:		
	Total Files Size (in bytes):	66330

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.

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

20277 7590 03/22/2019
MCDERMOTT WILL & EMERY LLP
The McDermott Building
500 North Capitol Street, N.W.
WASHINGTON, DC 20001

EXAMINER	
RAHMAN, MUSTAFIZUR	
ART UNIT	PAPER NUMBER
2422	

DATE MAILED: 03/22/2019

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/889,735	02/06/2018	Masayuki HIRABAYASHI	075425-0061	3694

TITLE OF INVENTION: VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS

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	06/24/2019

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

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

HOW TO REPLY TO THIS NOTICE:

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

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

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

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

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

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

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

PART B - FEE(S) TRANSMITTAL

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

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

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

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

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

20277 7590 03/22/2019

MCDERMOTT WILL & EMERY LLP
The McDermott Building
500 North Capitol Street, N.W.
WASHINGTON, DC 20001

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.
15/889,735	02/06/2018	Masayuki HIRABAYASHI	075425-0061	3694

TITLE OF INVENTION: VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS

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	06/24/2019

EXAMINER	ART UNIT	CLASS-SUBCLASS
RAHMAN, MUSTAFIZUR	2422	348-731000

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

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

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

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

1 _____

2 _____

3 _____

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

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

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

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

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

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

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

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

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

❑ Applicant certifying micro entity status. See 37 CFR 1.29

❑ Applicant asserting small entity status. See 37 CFR 1.27

❑ Applicant changing to regular undiscounted fee status.

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

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

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/889,735	02/06/2018	Masayuki HIRABAYASHI	075425-0061	3694

20277 7590 03/22/2019

MCDERMOTT WILL & EMERY LLP
The McDermott Building
500 North Capitol Street, N.W.
WASHINGTON, DC 20001

EXAMINER	
RAHMAN, MUSTAFIZUR	
ART UNIT	PAPER NUMBER
2422	

DATE MAILED: 03/22/2019

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

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

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

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

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

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

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

Privacy Act Statement

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

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

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

Notice of Allowability	Application No. 15/889,735	Applicant(s) HIRABAYASHI, Masayuki	
	Examiner MUSTAFIZUR RAHMAN	Art Unit 2422	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 02/14/2019.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

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

3. ☑ The allowed claim(s) is/are 1-4 . 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. 14/649895 .
   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 areply 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 _____.

/MUSTAFIZUR RAHMAN/ Examiner, Art Unit 2422	/JEFFEREY F HAROLD/ Supervisory Patent Examiner, Art Unit 2422

Notice of Pre-AIA or AIA Status

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

DETAILED ACTION

Claims 1- 4 are allowed.

Reason for Allowance

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

Regarding independent claim 1, the patentable feature includes: a display unit that displays a video content from a broadcast station or from a video content delivery source; a communication unit that executes two types of bi-directional wireless communication including first bi-directional wireless communication with a first wireless control device without going via a router and second bi-directional wireless communication via a router with a second wireless control device that is different from the first wireless control device; an infrared receiver unit that receives infrared rays from a third wireless control device; and a controller that controls the display unit, the communication unit and the infrared receiver, wherein, if a first command for changing a video content on the display unit from a first video content selected by the first wireless control device to a second video content is transmitted from the second wireless control device to the communication unit via the router during the first video content is displayed on the display unit, the display unit terminates displaying the first video content and starts to display the second video content and the communication unit

sends first information for informing termination of the displaying of the first video content to the first wireless control device without going via a router, and wherein, if a second command for changing a video content on the display unit from a second video content selected by the second wireless control device to another video content is transmitted from the third wireless control device to the infrared receiver unit by infrared rays during the second video content is displayed on the display unit, the display unit terminates displaying the second video content and starts to display another video content and the communication unit sends second information for informing termination of the displaying of the second video content via the router to the second wireless control device.

Regarding independent claim 2, the patentable feature includes: displaying step to display a video content from a broadcast station or from a video content delivery source, on a display unit of the video display apparatus; first communication step to execute bi-directional wireless communication with a first wireless control device without going via a router; second communication step to execute bi-directional wireless communication via a router with a second wireless control device that is different from the first wireless control device; and infrared ray receiving step to receive infrared rays from a third wireless control device; wherein, if a first command for changing a video content on the display unit from a first video content selected by the first wireless control device to a second video content is transmitted from the second wireless control device to the video display apparatus via the router during the first video content is displayed on the display unit, the video display apparatus terminates displaying the first video content and starts to display the second video content and the video display apparatus

sends first information for informing termination of the displaying of the first video content to the first wireless control device without going via a router, and wherein, if a second command for changing a video content on the display unit from a second video content selected by the second wireless control device to another video content is transmitted from the third wireless control device to the video display apparatus by infrared rays during the second video content is displayed on the display unit, the display unit terminates displaying the second video content and starts to display another video content and the video display apparatus sends second information for informing termination of the displaying of the second video content via the router to the second wireless control device.

Regarding independent claim 3, the patentable feature includes: a display unit that displays a video content from a broadcast station or from a video content delivery source; a communication unit that executes two types of bi-directional wireless communication including first bi-directional wireless communication with a first wireless control device without going via a router and second bi-directional wireless communication via a router with a second wireless control device that is different from the first wireless control device; an infrared receiver unit that receives infrared rays from a third wireless control device; and a controller that controls the display unit, the communication unit and the infrared receiver, wherein, if a first command for changing a video content on the display unit from a first video content selected by the first wireless control device to another video content is transmitted from the second wireless control device to the communication unit via the router during the first video content is displayed on the display unit, the display unit terminates displaying the first video

content for changing a content to be displayed from the first video content to another video content and the communication unit sends first information for informing termination of the displaying of the first video content to the first wireless control device without going via a router, and wherein, if a second command for changing a video content on the display unit from a second video content selected by the second wireless control device to another video content is transmitted from the third wireless control device to the infrared receiver unit by infrared rays during the second video content is displayed on the display unit, the display unit terminates displaying the second video content for changing a content to be displayed from the second video content to another video content and the communication unit sends second information for informing termination of the displaying of the second video content via the router to the second wireless control device.

Regarding independent claim 4, the patentable feature includes: displaying step to display a video content from a broadcast station or from a video content delivery source, on a display unit of the video display apparatus; first communication step to execute bi-directional wireless communication with a first wireless control device without going via a router; second communication step to execute bi-directional wireless communication via a router with a second wireless control device that is different from the first wireless control device; and infrared ray receiving step to receive infrared rays from a third wireless control device; wherein, if a first command for changing a video content on the display unit from a first video content selected by the first wireless control device to another video content is transmitted from the second wireless control device to the video display apparatus via the router during the first video content is displayed

on the display unit, the video display apparatus terminates displaying the first video content for changing a content to be displayed from the first video content to another video content and the video display apparatus sends first information for informing termination of the displaying of the first video content to the first wireless control device without going via a router, and wherein, if a second command for changing a video content on the display unit from a second video content selected by the second wireless control device to another video content is transmitted from the third wireless control device to the video display apparatus by infrared rays during the second video content is displayed on the display unit, the display unit terminates displaying the second video content for changing a content to be displayed from the second video content to another video content and the video display apparatus sends second information for informing termination of the displaying of the second video content via the router to the second wireless control device.

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."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MUSTAFIZUR RAHMAN whose telephone number is (571)270-1717. The examiner can normally be reached on Mon-Fri 8:00-5:00.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is

encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Harold Jefferey can be reached on 5712727519. 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.

/MUSTAFIZUR RAHMAN/
Examiner, Art Unit 2422
/JEFFEREY F HAROLD/
Supervisory Patent Examiner, Art Unit 2422

Notice of References Cited	Application/Control No. 15/889,735	Applicant(s)/Patent Under Reexamination HIRABAYASHI, Masayuki	
	Examiner MUSTAFIZUR RAHMAN	Art Unit 2422	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-20140118625-A1	05-2014	CHO; Young Suk	H04N5/44513	348/734
*	B	US-20110164188-A1	07-2011	Karaoguz; Jeyhan	G06F3/011	348/734
*	C	US-20110032424-A1	02-2011	VanDuyn; Luke	H04N5/4403	348/553
*	D	US-6476825-B1	11-2002	Croy ; Clemens	H04N5/4403	715/716
*	E	US-20120084653-A1	04-2012	Kota; Kalyana	G06F3/14	715/720
*	F	US-20100254670-A1	10-2010	Amsterdam; Jeffrey	H04N5/44543	386/248
*	G	US-20080240283-A1	10-2008	Iwamura; Ryuichi	G08C23/04	375/295
*	H	US-20090113417-A1	04-2009	Vrijsen; Alexander P.P.	H04N5/4403	717/178
*	I	US-6509908-B1	01-2003	Croy; Clemens	H04N5/4403	348/552
*	J	US-20080034276-A1	02-2008	Ficco; Michael H.	G06Q30/02	715/201
*	K	US-9003097-B2	04-2015	Enomoto; Nobuyuki	G06F13/38	710/316
*	L	US-20080313299-A1	12-2008	Ebbe; Ulrik Vagn	H04L12/2803	709/208
	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)
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	X	

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

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/889,735	HIRABAYASHI, Masayuki
	Examiner	Art Unit
	MUSTAFIZUR RAHMAN	2422

CPC - Searched*		
Symbol	Date	Examiner
H04N 21/433, 4852; 5/50, 4403, 44, 50; 7/173; 2005/443, 4433, 4442, 4444;	03/01/2019	MR

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner
348	731	03/01/2019	MR
348	732	03/01/2019	MR
348	725	03/01/2019	MR
348	723	03/01/2019	MR
348	719	03/01/2019	MR
348	716	03/01/2019	MR
348	714	03/01/2019	MR
348	706	03/01/2019	MR
348	705	03/01/2019	MR
348	14.07; 158; 231.3; 376; 510; 552; 553; 563; 564; 567; 576;	03/01/2019	MR
725	30; 32; 34; 37; 38; 40; 60; 54; 100; 110; 114;	03/01/2019	MR
455	343.3; 428;	03/01/2019	MR
340	10.42	03/01/2019	MR
709	231; 203;	03/01/2019	MR

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

	/MUSTAFIZUR RAHMAN/ Examiner.Art Unit 2422

Exhibit 1002
TCL v. Maxell - IPR2025-00120
Page 67 of 621

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/889,735	HIRABAYASHI, Masayuki
	Examiner	Art Unit
	MUSTAFIZUR RAHMAN	2422

Search Notes		
Search Notes	**Date**	**Examiner**
Consulted with Primary Examiner Brian Yenke Class 348	03/01/2019	MR
Consulted with Primary Examiner Golam Sorowar Class 455	03/01/2019	MR
Please See East Search History	03/01/2019	MR
Text Search with Clasiffication	03/01/2019	MR
Inventor Search	03/01/2019	MR
PALM Search	03/01/2019	MR
Google Search	03/01/2019	MR
BackWard/ForWard Citations Search	03/01/2019	MR

Interference Search			
US Class/CPC Symbol	**US Subclass/CPC Group**	**Date**	**Examiner**
348	731; 732; 725; 723; 719; 716; 714; 706; 705; 14.07; 158; 231.3; 376;	03/01/2019	MR
348	510; 552; 553; 563; 564; 567; 576;	03/01/2019	MR
725	30; 32; 34; 37; 38; 40; 60; 54; 100; 110; 114;	03/01/2019	MR
455	343.3; 428;	03/01/2019	MR
340	10.42	03/01/2019	MR
709	231; 203;	03/01/2019	MR

	/MUSTAFIZUR RAHMAN/ Examiner.Art Unit 2422

Exhibit 1002
TCL v. Maxell - IPR2025-00120
Page 68 of 621

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/889,735	HIRABAYASHI, Masayuki
	Examiner	**Art Unit**
	MUSTAFIZUR RAHMAN	2422

CPC									
Symbol								**Type**	**Version**
H04N	/	5	/	4403				F	2013-01-01
H04N	/	21	/	433				I	2013-01-01
G06Q	/	30	/	0267				I	2013-01-01
H04N	/	5	/	44				I	2013-01-01
H04N	/	5	/	50				I	2013-01-01
H04N	/	2005	/	4442				A	2013-01-01
H04N	/	2005	/	4444				A	2013-01-01
H04N	/	2005	/	443				A	2013-01-01
H04N	/	2005	/	4433				A	2013-01-01

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

/MUSTAFIZUR RAHMAN/ Examiner, Art Unit 2422	01 March 2019	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	4	
/JEFFEREY F HAROLD/ SPE, Art Unit 2422	04 March 2019	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	11

U.S. Patent and Trademark Office — Part of Paper No.: 20190301

Exhibit 1002
TCL v. Maxell - IPR2025-00120
Page 69 of 621

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/889,735	HIRABAYASHI, Masayuki
	Examiner	**Art Unit**
	MUSTAFIZUR RAHMAN	2422

INTERNATIONAL CLASSIFICATION				
CLAIMED				
H04N5/44	/	5	/	44
H04N5/50	/	5	/	50
G06Q30/02	/	30	/	02
H04N21/433	/	21	/	433

NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**

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

/MUSTAFIZUR RAHMAN/ Examiner, Art Unit 2422	01 March 2019	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	4	
/JEFFEREY F HAROLD/ SPE, Art Unit 2422	04 March 2019	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	11

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/889,735	HIRABAYASHI, Masayuki
	Examiner	**Art Unit**
	MUSTAFIZUR RAHMAN	2422

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

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
	1														
	2														
	3														
	4														

/MUSTAFIZUR RAHMAN/ Examiner, Art Unit 2422	01 March 2019	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	4	
/JEFFEREY F HAROLD/ SPE, Art Unit 2422	04 March 2019	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	11

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TCL v. Maxell - IPR2025-00120
Page 71 of 621

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	15889735
Filing Date	2018-02-06
First Named Inventor	Masayuki HIRABAYASHI
Art Unit	2484
Examiner Name	H. Shibru
Attorney Docket Number	075425-0061

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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	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	2000-125223	JP	A	2000-04-28	Sanyo Electric Co.	With English Abstract	
	2	2001-333346	JP	A	2001-11-30	Matsushita Electric Ind Co., Ltd.	With English Abstract	
	3	2006-086931	JP	A	2006-03-30	Sharp KK	With English Abstract	

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	15889735
Filing Date	2018-02-06
First Named Inventor	Masayuki HIRABAYASHI
Art Unit	2484
Examiner Name	H. Shibru
Attorney Docket Number	075425-0061

	4	11-196345	JP	A	1999-07-21	Kujirada, Masanobu	With English Abstract	

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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	Japanese Office Action issued in corresponding Japanese Patent Application No. 2017-137105, dated July 10, 2018, with English Translation.	X

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EXAMINER SIGNATURE

Examiner Signature	/MUSTAFIZUR RAHMAN/	Date Considered	03/01/2019

*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.

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	15889735
Filing Date	2018-02-06
First Named Inventor	Masayuki HIRABAYASHI
Art Unit	2484
Examiner Name	H. Shibru
Attorney Docket Number	075425-0061

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	/Tomoki Tanida/	Date (YYYY-MM-DD)	2019-02-08
Name/Print	Tomoki Tanida	Registration Number	60,453

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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Privacy Act Statement

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

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

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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.

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Alexandria, Virginia 22313-1450
www.uspto.gov

BIB DATA SHEET

CONFIRMATION NO. 3694

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
15/889,735	02/06/2018 RULE	348	2422	075425-0061

APPLICANTS
Hitachi Maxell, Ltd., Osaka, JAPAN;

INVENTORS
Masayuki HIRABAYASHI, Ibaraki, JAPAN;

**** CONTINUING DATA ***************************
This application is a CON of 14/649,895 06/04/2015 PAT 9924124
which is a 371 of PCT/JP2013/079953 11/06/2013

**** FOREIGN APPLICATIONS ***************************
JAPAN 2012-267765 12/07/2012

**** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ****
03/05/2018

Foreign Priority claimed	Met after Allowance	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
☑ Yes ☐ No	☐	JAPAN	29	4	4
35 USC 119(a-d) conditions met ☐ Yes ☑ No					
Verified and Acknowledged /MUSTAFIZUR RAHMAN/ Examiner's Signature	Initials				

ADDRESS

MCDERMOTT WILL & EMERY LLP
The McDermott Building
500 North Capitol Street, N.W.
WASHINGTON, DC 20001
UNITED STATES

TITLE

VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS

FILING FEE RECEIVED	FEES: Authority has been given in Paper	
2180	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

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	2	"15889735"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/03/01 16:42
L4	2	"20180227532"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/03/01 16:42
L5	4	"14649895"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/03/01 16:43
L6	3	"20150304591"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/03/01 16:43
L7	6	"9924124".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/03/01 16:44
L8	49	("20030043789" | "20030064709" | "20030091030" | "20050030427" | "20050235331" | "20060204229" | "20060234677" | "20060245734" | "20070127408" | "20080165906" | "20080201736" | "20080238755" | "20080240283" | "20090055540" | "20090058597" | "20090070840" | "20090129689" | "20090201855" | "20090220209" | "20100023975" | "20100031288" | "20100053441" | "20100058414" | "20100157978" | "20100235862" | "20100254670" | "20110032424" | "20110072459" | "20110085088" | "20110164188" | "20110314510" | "20120026299" |	US-PGPUB; USPAT; USOCR	OR	OFF	2019/03/01 16:44

		"20120054790" | "20120084653" | "20120159536" | "20120173753" | "20120223819" | "20120281141" | "20130031162" | "20130031594" | "20130312040" | "20130330053" | "20140033900" | "20140118625" | "20140229994" | "6317168" | "6476825" | "8223662" | "8749426").PN.				
L9	0	("9924124").URPN.	USPAT	OR	OFF	2019/03/01 16:44
L10	49	("20030043789" | "20030064709" | "20030091030" | "20050030427" | "20050235331" | "20060204229" | "20060234677" | "20060245734" | "20070127408" | "20080165906" | "20080201736" | "20080238755" | "20080240283" | "20090055540" | "20090058597" | "20090070840" | "20090129689" | "20090201855" | "20090220209" | "20100023975" | "20100031288" | "20100053441" | "20100058414" | "20100157978" | "20100235862" | "20100254670" | "20110032424" | "20110072459" | "20110085088" | "20110164188" | "20110314510" | "20120026299" | "20120054790" | "20120084653" | "20120159536" | "20120173753" | "20120223819" | "20120281141" | "20130031162" | "20130031594" | "20130312040" | "20130330053" | "20140033900" | "20140118625" | "20140229994" | "6317168" | "6476825" | "8223662" | "8749426").PN. OR ("9924124").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/03/01 16:44
L11	13167	(H04N5/4403).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/03/01 16:51
L12	12041	(H04N5/44).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/03/01 16:51
L13	11856	(H04N5/50).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/03/01 16:51
L14	4176	(H04N21/433).CPC.	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2019/03/01 16:51

			EPO; JPO; DERWENT; IBM_TDB			
L15	547	(H04N2005/4442).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/03/01 16:51
L16	2079	(H04N2005/443).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/03/01 16:51
L17	473	(H04N2005/4433).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/03/01 16:51
L18	39698	(L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR L17)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/03/01 16:51
L19	48	L18 AND (REMOTE NEAR (CONTROL OR CONTROLLER)) SAME (TV OR TELEVISION) SAME (DISPLAY$3) SAME (CONTENT OR CHANNEL) SAME (USER) SAME (USER NEAR INTERFACE) SAME (WIRELESS OR WIRELESSLY) SAME (VIDEO)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/03/01 16:51
L20	9	L18 AND (REMOTE NEAR (CONTROL OR CONTROLLER)) SAME (TV OR TELEVISION) SAME (DISPLAY$3) SAME (CONTENT OR CHANNEL) SAME (USER) SAME (USER NEAR INTERFACE) SAME (WIRELESS OR WIRELESSLY) SAME (VIDEO) and 348/$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/03/01 17:00
L21	156	("6476825").URPN.	USPAT	OR R	OFF	2019/03/01 17:04
L33	0	("display displays video content broadcast station video content delivery source").clm.	USPAT	OR	OFF	2019/03/01 17:23
L34	0	("communication executes two types bi-directional wireless communication first bi-directional wireless communication first wireless control device without going via router ").clm.	USPAT	OR	OFF	2019/03/01 17:23
L35	0	("second bi-directional wireless communication via router second wireless control device different first	USPAT	OR	OFF	2019/03/01 17:24

		wireless control device ").clm.				
L36	0	("infrared receiver receives infrared rays third wireless control device").clm.	USPAT	OR	OFF	2019/03/01 17:24
L37	0	("controller controls display communication and infrared receiver").clm.	USPAT	OR	OFF	2019/03/01 17:24
L38	0	("first command changing video content display first video content selected by first wireless control device second video content transmitted second wireless control device communication unit via router during first video content displayed display unit").clm.	USPAT	OR	OFF	2019/03/01 17:24
L39	0	("display terminates displaying first video content starts display second video content communication sends first information informing termination displaying first video content first wireless control device going via router").clm.	USPAT	OR	OFF	2019/03/01 17:24
L40	0	("second command changing video content display second video content selected second wireless control device video content transmitted third wireless control device infrared receiver infrared rays during second video content displayed display unit").clm.	USPAT	OR	OFF	2019/03/01 17:25
L41	0	("display terminates displaying second video content ").clm.	USPAT	OR	OFF	2019/03/01 17:25
L42	0	("starts display another video content communication sends second information informing termination displaying the second video content via router second wireless control device").clm.	USPAT	OR	OFF	2019/03/01 17:25
S1	2	"14649895"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/14 19:20
S2	2	"20150304591"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/14 19:55
S3	40	((Masayuki) near2 (HIRABAYASHI)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/12/14 20:27
S4	6	("20030043789" | "20090070840").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	OFF	2015/12/14 20:29

			DERWENT; IBM_TDB			
S5	2	("20030043789" | "20090070840").PN.	US-PGPUB; USPAT	OR	OFF	2015/12/14 20:29
S6	1	"20150304591"	US-PGPUB; USPAT	OR	OFF	2015/12/14 20:31
S7	1	"20150304591" and (terminal near apparatus)	US-PGPUB; USPAT	OR	OFF	2015/12/14 20:32
S8	1	"20150304591" and (receives near status)	US-PGPUB; USPAT	OR	OFF	2015/12/15 07:42
S9	6	(transmit or transmitting or Communicate) near5 (setting or lacation) near5 (video near display)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 07:57
S10	0	(transmit or transmitting or Communicate) near5 (setting or lacation) near5 (video near display) near5 ((receive or receiving or received) near information or data)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 07:59
S11	627	(transmit or transmitting or Communicate) near5 (video near display) near5 ((receive or receiving or received) near information or data)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 07:59
S12	0	(transmit or transmitting or Communicate) near5 (video near display) near5 ((receive or receiving or received) near information or data) near5 (output or outputting) near5 (broadcast near station)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:01
S13	0	(transmit or transmitting or Communicate) near5 (video near display) near5 ((receive or receiving or received) near information or data) same (output or outputting) near5 (broadcast near station)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:01
S14	0	(transmit or transmitting or Communicate) near5 (video near display) near5 ((receive or receiving or received) near information or data) same ((output or outputting) near5 (broadcast near station))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:01
S15	0	(transmit or transmitting or Communicate) near5 (video near display) near5 ((receive or receiving or received) near information or data) and ((output or outputting) near5 (broadcast near station))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:02
S16	627	((transmit or transmitting or	US-PGPUB;	OR	OFF	2015/12/15

		Communicate) near5 (video near display) near5 ((receive or receiving or received) near information or data))	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			08:02
S17	12	((transmit or transmitting or Communicate) near5 (video near display) near5 ((receive or receiving or received) near information or data)) and (receive or receiving or received) near5 (signal near output)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:03
S18	0	((transmit or transmitting or Communicate) near5 (video near display) near5 ((receive or receiving or received) near information or data)) and (receive or receiving or received) near5 (signal near output) near5 (broadcast)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:04
S19	0	((transmit or transmitting or Communicate) near5 (video near display) near5 ((receive or receiving or received) near information or data)) and (receive or receiving or received) near5 (signal near output) near5 (broadcast or broadcasting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:05
S20	9	((transmit or transmitting or Communicate) near5 (setting or location or place or surroundings or background) near5 (video near display) near5 ((receive or receiving or received) near information or data))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:07
S21	6742	((transmit or transmitting or Communicate) near5 (television) near5 ((receive or receiving or received) near information or data))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:11
S22	80	((transmit or transmitting or Communicate) near5 (setting or location or place or surroundings or background) near5 (television) near5 ((receive or receiving or received) near information or data))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:11
S23	18	((transmit or transmitting or Communicate) near5 (television) near5 ((receive or receiving or received) near information or data)) and (receive or receiving or received) near5 (signal near output) near5 (broadcast or broadcasting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:12
S24	0	((transmit or transmitting or Communicate) near5 (television) near5 ((receive or receiving or received) near information or data)) and (receive or receiving or received) near5 (signal near output) near5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2015/12/15 08:14

		(broadcast or broadcasting) near5 (decodes or decoding or decoded) near3 (video near content)	IBM_TDB			
S25	31	((transmit or transmitting or Communicate) near3 (setting or location or place or surroundings or background) near3 (television) near3 ((receive or receiving or received) near information or data))	US-PGPUB; USPAT; USOCR; FPRS EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:14
S26	25	((transmit or transmitting or Communicate) near3 (setting or location or place or surroundings or background) near3 (television) near3 ((receive or receiving or received) near information or data))	US-PGPUB; USPAT	OR	OFF	2015/12/15 08:15
S27	11	(transmit or transmitting or Communicate) near3 (setting or location or place or surroundings or background) near3 (television) near3 (receive or receiving or received) near3 (information or data)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:16
S28	16	(transmit or transmitting or Communicate) near3 (setting or location or place or surroundings or background) near3 (television) same (receive or receiving or received) near3 (information or data)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:17
S29	10	("5319735" | "5822360" | "5828325" | "5940135" | "6233347" | "6611607" | "6650762" | "6737957" | "6738744" | "6751337").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/12/15 08:24
S30	71	("6751337").URPN.	USPAT	OR	OFF	2015/12/15 08:24
S31	185202	(receive or receiving or received) near5 (signal near output)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:41
S32	1347	(receive or receiving or received) near5 (signal near output) near5 (broadcast or broadcasting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:41
S33	41	(receive or receiving or received) near5 (signal near output) near5 (broadcast or broadcasting) near3 (station or position or place or lacation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:43
S34	1	(receive or receiving or received) near5 (signal near output) near5 (broadcast or broadcasting) near3	US-PGPUB; USPAT; USOCR;	OR	OFF	2015/12/15 08:43

		(station or position or place or lacation)near5 (decodes or decoding or decoded) near3 (video near content)	FPRS; EPO; JPO; DERWENT; IBM_TDB			
S35	1	(receive or receiving or received) near5 (signal near output) near5 (broadcast or broadcasting) near5 (decodes or decoding or decoded) near3 (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:44
S36	1	(receive or receiving or received) near5 (signal near output) near5 (broadcast or broadcasting) near5 (decodes or decoding or decoded) near3 (video near2 content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:44
S37	246494	(receive or receiving or received) near10 (signal near output)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:45
S38	2642	(receive or receiving or received) near10 (signal near output) near15 (broadcast or broadcasting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:45
S39	169	(receive or receiving or received) near10 (signal near output) near15 (broadcast or broadcasting) near15 (decodes or decoding or decoded)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:46
S40	1	(receive or receiving or received) near10 (signal near output) near15 (broadcast or broadcasting) near15 (decodes or decoding or decoded) near5 (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:46
S41	1	(receive or receiving or received) near10 (signal near output) near15 (broadcast or broadcasting) near15 (decodes or decoding or decoded) near10 (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:47
S42	4	(receive or receiving or received) near10 (output) near15 (broadcast or broadcasting) near15 (decodes or decoding or decoded) near10 (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:47
S43	2	"20100158109"	US-PGPUB;	OR	OFF	2015/12/15

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			08:51
S44	1	"20150304591" and (RAM)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:52
S45	1	"20100158109" and (memory or store or stroage or RAM or ROM)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:53
S46	0	"20100158109" and (memory or store or stroage or RAM or ROM) same (channel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:53
S47	0	"20100158109" and (memory or store or stroage or RAM or ROM) same (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:55
S48	7	"20100058414"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:55
S49	0	"20100058414" and (memory or store or stroage or RAM or ROM)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:55
S50	48	(memory or store or stroage or RAM or ROM) near5 (channel) near3 (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB		OFF	2015/12/15 08:56
S51	5	(memory or store or stroage or RAM or ROM) near5 (channel) near3 (video near content) near5 (display or displayed or displaying)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2015/12/15 08:57

			IBM_TDB			
S52	0	(memory or store or stroage or RAM or ROM) near5 (channel) near3 (video near content) near5 (display or displayed or displaying) same (remote near device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:59
S53	3	(memory or store or stroage or RAM or ROM) near5 (channel) near3 (video near content) near5 (display or displayed or displaying) same (remote near control)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 08:59
S54	3	(memory or store or stroage or RAM or ROM) near5 (channel) near3 (video near content) near5 (display or displayed or displaying) same (remote near control) same (channel) same (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 09:00
S55	10	("2010/0031288").URPN.	USPAT	OR	OFF	2015/12/15 09:03
S56	87	("20020069037" | "20020100052" | "20020147728" | "20050021470" | "20050073991" | "20050132018" | "20050132297" | "20060019632" | "20060101350" | "20060184897" | "20060280050" | "20060288112" | "20070033402" | "20070100834" | "20070198746" | "20080004978" | "20080005179" | "20080040028" | "20080059908" | "20080059909" | "20080059911" | "20080189255" | "20080194276" | "20080194296" | "20090017860" | "20090018898" | "20090076881" | "20090132453" | "20090157842" | "20090182546" | "20090257804" | "20090287841" | "20090307135" | "20100022270" | "20100031288" | "20100031366" | "20100049862" | "20100057852" | "20100082448" | "20100111278" | "20100113065" | "20100169832" | "20100185776" | "20100235476" | "20100311391" | "20100324977" | "20110060764" | "20110066633" | "20110082572" | "20110087665" | "20110087690" | "20110093913" | "20110111278" | "20110141887" | "20110158406" | "20110185278" | "20110196953" | "20110251995" | "20110304685" | "20120022967" | "20120059748" | "20120059910" | "20120088477" | "20120089951" | "20120096056" | "20120109997" | "20120110074" | "20120117026" | "20120117185" | "20120117197" | "20120117620" | "20120124162" | "20120124177" | "20120149338" | "20120203871" | "20130094402"	US-PGPUB; USPAT; USOCR	OR	OFF	2015/12/15 09:12

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S57	7	"20100058414"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 09:12
S58	17616	(transmit or transmitting or Communicate or communication) near5 (identification or ID) near5 (code)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 09:15
S59	1	(transmit or transmitting or Communicate or communication) near5 (identification or ID) near5 (code) near (mobile near remote)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 09:29
S60	0	(transmit or transmitting or Communicate or communication) near5 (identification or ID) near5 (code) near (mobile near remote near control)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 09:34
S61	478	(receive or receiving or received) near10 (channel) near5 (television) near5 ((RC) or (remote near (control or controller)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 09:49
S62	4	(receive or receiving or received) near10 (channel) near15 (television) near15 ((RC) or (remote near (control or controller))) same (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 09:50
S63	15	(receive or receiving or received) same (channel) same (television) same ((RC) or (remote near (control or controller))) same (video near content) same (memory or store or stroage or RAM or ROM)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 09:52
S64	1	(receive or receiving or received) same (channel) same (television) same ((RC) or (remote near (control or controller))) same (video near content) same (memory or store or stroage or RAM or ROM) same (decode or decoding or decoded)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 09:53

S65	1	(receive or receiving or received) same (channel) same (television) same ((RC) or (remote near (control or controller))) same (video near content) same (memory or store or stroage or R AMor ROM) same (decode or decoding or decoded) same (display or displaying or displayed)	US-P GP UB; USP A; USOCR; FPRS; EPO; JP O; DERWENT; IBM_TDB	OR	OFF	2015/12/15 09:53
S66	4	(receive or receiving or received) near (channel) near5 (television) near5 ((RC) or (remote near (control or controller))) near5 (display or displaying or displayed)	US-P GP UB; USP A; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 10:05
S67	112	(video near content) near5 (channel) near5 (memory or store or stored or stroage or R AMor ROM)	US-P GP UBR O USP A; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB		OFF	2015/12/15 10:11
S68	4	(video near content) near5 (channel) near5 (memory or store or stored or stroage or RAM or ROM) near5 (decode or decoded or decoding)	US-P GP UBR O USP A; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB		OFF	2015/12/15 10:12
S69		(video near content) near5 (channel) near15 (memory or store or stored or stroage or R AMor ROM) near15 (decode or decoded or decoding)	US-P GP UB; USP A; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 10:13
S70	0	(status near information) near5 (receive or receiving or near10 (channel) near5 (television) near5 ((RC) or (remote near (control or controller)))	US-P GP UBR O USP A; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB		OFF	2015/12/15 10:20
S71	80	(receive or receiving or near3 (channel) near3 (television) near3 ((RC) or (remote near (control or controller)))	US-P GP UB; USP A; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 10:21
S72	26	(receive or receiving or received) near3 (channel) near3 (television) near3 ((RC) or (remote near (control or controller))) and 348/$.ccls.	US-P GP UB; USP A; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 10:25
S73	14	("4375651" | "4394691" | "4488179" | "4527194" | "4706121" | "4737993" | "4802114" | "4807052" | "4841368" |	US-P GP UB; USP A; USOCR	OR	OFF	2015/12/15 10:27

		"4908713" | "4977455" | "5123046" | "5151789" | "5353121").PN.				
S74	315	("5727060").URPN.	USPAT	OR	OFF	2015/12/15 10:27
S75	329	("4375651" | "4394691" | "4488179" | "4527194" | "4706121" | "4737993" | "4802114" | "4807052" | "4841368" | "4908713" | "4977455" | "5123046" | "5151789" | "5353121").PN. OR ("5727060").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/12/15 10:27
S76	0	(receive or receiving or received) near (channel) near (television) near3 ((RC) or (remote near (control or controller))) and 348/$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR		2015/12/15 10:31
S77	44	("20010042043" | "20020056123" | "20020083121" | "20020140963" | "20020171872" | "20030088557" | "20030200459" | "20030225700" | "20040055018" | "20040128317" | "20040190854" | "20050066165" | "20050081138" | "20050094191" | "20050114672" | "20050132416" | "20060064716" | "20060074992" | "20060107289" | "20060117379" | "20070092079" | "4603966" | "4858032" | "5262860" | "5715403" | "5881287" | "6139197" | "6223213" | "6636329" | "6912002" | "6930788" | "6963858" | "7076469" | "7079191" | "7197535" | "7281272" | "7305713" | "7388605" | "7395245" | "7480382" | "7568234" | "7631184" | "7792517" | "8139768").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/12/15 10:36
S78	610	(transmit or transmitting or Communicate or communication) near5 (identification or ID) near5 (code) near (cell-phone or computer or PDA or portable)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 10:44
S79	116	(transmit or transmitting or Communicate or communication) near5 (identification or ID) near5 (code) near (cell-phone or computer or PDA or portable) near5 (command or information)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 10:45
S80	610	(transmit or transmitting or Communicate or communication) near5 (identification or ID) near5 (code) near (cell-phone or computer or PDA or portable)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 10:45
S81	2	(communication near unit) near5 (transmit or transmitting or Communicate or communication) near5 (identification or ID) near5	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2015/12/15 10:48

		(code) near (cell-phone or computer or PDA or (portable near device))	EPO; JPO; DERWENT; IBM_TDB			
S82	11	(communication near unit) same ((transmit or transmitting or Communicate or communication) near5 (identification or ID) near5 (code) near (cell-phone or computer or PDA or (portable near device)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 10:49
S83	393	((transmit or transmitting or Communicate or communication) near5 (identification or ID) near5 (code) near (cell-phone or computer or PDA or (portable near device)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 10:54
S84	246	((transmit or transmitting or Communicate or communication) near2 (identification or ID) near2 (code) near2 (cell-phone or computer or PDA or (portable near device)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 10:55
S85	15	((transmit or transmitting or Communicate or communication) near2 (identification or ID) near2 (code) near2 (cell-phone or computer or PDA or (portable near device))) same (display or displayed or displaying)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 10:56
S86	22	((transmit or transmitting or Communicate or communication) near2 (identification or ID) near2 (code) near2 (cell-phone or computer or PDA or (portable near device))) and (display or displayed or displaying) and (remote near (control or controller))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 10:59
S87	0	"20150304591" and (security)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 11:05
S88	0	"20150304591" and (computer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 11:06
S89	0	"20150304591" and (web)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 11:06
S90	0	"20150304591" and (online)	US-PGPUB;	OR	OFF	2015/12/15

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			11:07
S91	337497	(receive or receives or receiving or received) near5 (command or information) near5 (transmit or transmitted or transmitting or Communicate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 11:49
S92	15512	(receive or receives or receiving or received) near5 (command or information) near5 (transmit or transmitted or transmitting or Communicate) near5 (cell-phone or PDA or computer or (portable near device))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 11:50
S93	7201	(receive or receives or receiving or received) near5 (command or information) near5 (transmit or transmitted or transmitting or Communicate) near5 (cell-phone or PDA or computer or (portable near device)) near5 ((transmit or transmitted or transmitting or Communicate) near information or data)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 11:52
S94	7201	((receive or receives or receiving or received) near5 (command or information) near5 (transmit or transmitted or transmitting or Communicate) near5 (cell-phone or PDA or computer or (portable near device)) near5 ((transmit or transmitted or transmitting or Communicate) near information or data))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 11:53
S95	124	((receive or receives or receiving or received) near5 (command or information) near5 (transmit or transmitted or transmitting or Communicate) near5 (cell-phone or PDA or computer or (portable near device)) near5 ((transmit or transmitted or transmitting or Communicate) near information or data)) same (tv or television)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 11:53
S96	29	((receive or receives or receiving or received) near5 (command or information) near5 (transmit or transmitted or transmitting or Communicate) near5 (cell-phone or PDA or computer or (portable near device)) near5 ((transmit or transmitted or transmitting or Communicate) near information or data)) same (tv or television) and 348/$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 11:54
S97	43	((receive or receives or receiving or	US-PGPUB;	OR	OFF	2015/12/ 15

		received) near5 (command or information) near5 (transmit or transmitted or transmitting or Communicate) near5 (cell-phone or PDA or computer or (portable near device)) with ((transmit or transmitted or transmitting or Communicate) near information or data)) same (tv or television) and 348/$.ccls.	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			12:00
S98	9	((receive or receives or receiving or received) near5 (command or information) near5 (transmit or transmitted or transmitting or Communicate) near5 (cell-phone or PDA or computer or (portable near device)) with ((transmit or transmitted or transmitting or Communicate) near information or data)) same (tv or television) same (wireless or wirelessly) and 348/$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 12:12
S99	1	("2007/0127408").URPN.	USPAT	OR	OFF	2015/12/15 12:15
S100	16848	(signal near receiving near unit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 12:17
S101	41	(signal near receiving near unit) near5 (simultaneously or simultaneous) near5 (receive or receiving or received)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 12:19
S102	0	(signal near receiving near unit) near5 (simultaneously or simultaneous) near5 (receive or receiving or received) near5 (plurality or multiple) near5 (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 12:20
S103	0	(signal near receiving) near5 (simultaneously or simultaneous) near5 (receive or receiving or received) near5 (plurality or multiple) near5 (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 12:21
S104	1037	(signal near receiving) near5 (simultaneously or simultaneous) near5 (receive or receiving or received)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 12:21
S105	1	(signal near2 receiving) near5 (simultaneously or simultaneous) near5 (receive or receiving or received) near15 (plurality or multiple)	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2015/12/15 12:22

		near15 (video near content)	EPO; JPO; DERWENT; IBM_TDB			
S106	1	(signal near2 receiving) with (simultaneously or simultaneous) with (receive or receiving or received) with (plurality or multiple) with (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 12:22
S107	1	(signal near2 receiving) near5 (simultaneously or simultaneous) near5 (receive or receiving or received) with (plurality or multiple) with (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 12:23
S108	1	(signal near2 receiving) near5 (simultaneously or simultaneous) near5 (receive or receiving or received) same (plurality or multiple) same (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 12:23
S109	1	(signal near2 receiving) near15 (simultaneously or simultaneous) near15 (receive or receiving or received) same (plurality or multiple) same (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 12:23
S110	1	(signal near2 receiving) near15 (simultaneously or simultaneous) near15 (receive or receiving or received) same (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 12:24
S111	2	(signal near2 receiving) near15 (simultaneously or simultaneous) near15 (receive or receiving or received) same (video near contents)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 12:24
S112	23	(simultaneously or simultaneous) near5 (receive or receiving or received) with (plurality or multiple) with (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 12:25
S113	2	(simultaneously or simultaneous) near5 (receive or receiving or received) with (plurality or multiple) with (video near content) same (tv or television)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 12:33
S114	4356	(channel) near5 (receive or received or receiving) near5 (cell-phone or PDA	US-PGPUB; USPAT;	OR R	OFF	2015/12/15 12:42

		or computer or (portable near device))	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S115	20	(channel) near5 (receive or received or receiving) near5 (cell-phone or PDA or computer or (portable near device)) same (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 12:45
S116	24	(channel) near5 (receive or received or receiving) near5 (cell-phone or PDA or computer or (portable near device)) same (video near3 content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 12:45
S117	11	(channel) near5 (receive or received or receiving) near5 (cell-phone or PDA or computer or (portable near device)) same (video near3 content) near5 (channel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 12:45
S118	0	(channel) near5 (receive or received or receiving) near5 (cell-phone or PDA or computer or (portable near device)) same (video near3 content) near5 (channel) near5 (decoded or decode or decoding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 12:46
S119	1	(channel) near5 (receive or received or receiving) near5 (cell-phone or PDA or computer or (portable near device)) and (video near3 content) near5 (channel) near5 (decoded or decode or decoding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 12:47
S120	11	(channel) near5 (receive or received or receiving) near5 (cell-phone or PDA or computer or (portable near device)) same (video near content) same (television)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 12:50
S121	87	(video near2 content) near5 (channel) near3 (decode or decoded or decoding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 13:00
S122	1	(video near2 content) near5 (channel) near3 (decode or decoded or decoding) near5 (receiving or receive or received) near (unit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 13:04

S123	2	(video near2 content) near5 (channel) near3 (decode or decoded or decoding) near5 (receiving or receive or received) near3 (unit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/ 12/ 15 13:04
S124		(video near2 content) near5 (channel) near3 (decode or decoded or decoding) near5 (receiving or receive or received) near5 (unit)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/ 12/ 15 13:04
S125	2	(video near2 content) near5 (channel) near3 (decode or decoded or decoding) same (receiving or receive or received) near5 (unit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/ 12/ 15 13:05
S126	1	(video near2 content) near5 (channel) near3 (decode or decoded or decoding) same (output or outputting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/ 12/ 15 13:06
S127	344	(video near3 content) same (channel) same (decode or decoded or decoding) same (output or	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/ 12/ 15 13:07
S128	10	(video near3 content) same (channel) same (decode or decoded or decoding) same (output or outputting) near5 (broadcast or broadcasting or telecast or webcast)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/ 12/ 15 13:10
S129	4	(video near3 content) same (channel) same (decode or decoded or decoding) same (output or outputting) near5 (broadcast or broadcasting or telecast or webcast) same (display or displayed or displaying)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/ 12/ 15 13:11
S130	2	(video near3 content) same (channel) same (decode or decoded or decoding) same (output or outputting) near5 (broadcast or broadcasting or telecast or webcast) same (display or displayed or displaying) same (memory or store or stored or storage or RAM or ROM)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/ 12/ 15 13:18
S131	6860	(channel) same ((identification or ID) near code)	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2015/12/15 13:24

			EPO; JPO; DERWENT; IBM_TDB			
S132	2005	(channel) same ((identification or ID) near code) same (memory or store or stored or storage or RAM or ROM)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 13:24
S133	51	(channel) same ((identification or ID) near code) same (memory or store or stored or storage or RAM or ROM) same (memory near unit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 13:25
S134	155509	(channel near (receive or received or receiving))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 13:34
S135	314	(channel near (receive or received or receiving)) same (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 13:35
S136	2776	((identification or ID) near code) near3 (differs or different or unlike or dissimilar)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 13:41
S137	232	((identification or ID) near code) near3 (differs or different or unlike or dissimilar) near3 ((memory or store or stored or storage or RAM or ROM))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 13:42
S138	232	(((identification or ID) near code) near3 (differs or different or unlike or dissimilar) near3 ((memory or store or stored or storage or RAM or ROM)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 13:43
S139	0	(((identification or ID) near code) near3 (differs or different or unlike or dissimilar) near3 ((memory or store or stored or storage or RAM or ROM))) same (transmit or transmitting or Communicate) near5 (cell-phone or PDA or computer or (portable near device))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 13:45
S140	26	(((identification or ID) near code)	US-PGPUB;	OR	OFF	2015/12/15

		near3 (differs or different or unlike or dissimilar) near3 ((memory or store or stored or storage or RAM or ROM))) same (transmit or transmitting or Communicate)	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			13:45
S141	0	(((identification or ID) near code) near3 (differs or different or unlike or dissimilar) near3 ((memory or store or stored or storage or RAM or ROM))) same (transmit or transmitting or Communicate) same (cell-phone or PDA or computer or (portable near device))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 13:46
S142	11	(((identification or ID) near code) near5 (differs or different or unlike or dissimilar) near5 ((memory or store or stored or storage or RAM or ROM))) same (memory or store or stored or storage or RAM or ROM) near5 (cell-phone or PDA or computer or (portable near device))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 13:47
S143	35342	(television or TV) near5 (remote near (control or controlling))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 14:04
S144	4390	(television or TV) near5 (remote near (control or controlling)) near5 (display or displayed or displaying)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 14:05
S145	311	(television or TV) near5 (remote near (control or controlling)) near5 (display or displayed or displaying) near5 (channel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 14:05
S146	213	(television or TV) near5 (remote near (control or controlling)) near5 (display or displayed or displaying) near5 (channel) and (cell-phone or PDA or computer or (portable near device))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 14:06
S147	25	(television or TV) near2 (remote near (control or controlling)) near2 (display or displayed or displaying) near2 (channel) and (cell-phone or PDA or computer or (portable near device))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 14:08
S148	5	(television or TV) near2 (remote near (control or controlling)) near2 (display or displayed or displaying) near2 (channel) same (cell-phone or PDA or	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2015/12/15 14:08

		computer or (portable near device))	EPO; JPO; DERWENT; IBM_TDB			
S149	40	(television or TV) near2 (remote near (control or controlling)) near2 (display or displayed or displaying) near2 (channel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 14:09
S150	37	(television or TV) near2 (remote near (control or controlling)) near2 (display or displayed or displaying) near2 (channel) same (television)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 14:22
S151	2	"20080201736"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 14:32
S152	1	"20080201736" and (output or outputting) same (broadcast)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 14:33
S153	359096	(memory or store or stored or storage or RAM or ROM) near5 (content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 14:43
S154	20095	(memory or store or stored or storage or RAM or ROM) near5 (content near (command or information))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 14:45
S155	23	(memory or store or stored or storage or RAM or ROM) near5 (content near (command or information)) near5 (identification or ID) near (code)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 14:45
S156	27	(memory or store or stored or storage or RAM or ROM) near5 (content near (command or information)) near5 (identification or ID) near3 (code)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 14:46
S157	0	(memory or store or stored or storage or RAM or ROM) near5 (content near	US-PGPUB; USPAT;	OR R	OFF	2015/12/15 14:46

		(command or information)) near5 (identification or ID) near3 (code) near5 (cell-phone or PDA or computer or (portable near device))	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S158	1430	(memory or store or stored or storage or RAM or ROM) near5 (identification or ID) near3 (code) near5 (cell-phone or PDA or computer or (portable near device))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 14:46
S159	8	(memory or store or stored or storage or RAM or ROM) near3 (content) near5 (identification or ID) near3 (code) near5 (cell-phone or PDA or computer or (portable near device))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 14:49
S160	16	(memory or store or stored or storage or RAM or ROM) near5 (content) near5 (identification or ID) near3 (code) near5 (cell-phone or PDA or computer or (portable near device))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 14:50
S161	1	(memory or store or stored or storage or RAM or ROM) near5 (content) near5 (identification or ID) near3 (code) near5 (cell-phone or PDA or computer or (portable near device)) near5 (transmit or transmitted or transmitting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 14:51
S162	362	(memory or store or stored or storage or RAM or ROM) near5 (record) near5 (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 15:06
S163	1	(memory near unit) near5 (memory or store or stored or storage or RAM or ROM) near5 (record) near5 (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 15:07
S164	2	(memory near unit) near5 (memory or store or stored or storage or RAM or ROM) near5 (record or recording or recorded) near5 (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 15:08
S165	6	(memory near unit) near5 (record or recording or recorded) near5 (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 15:08

S166	1	(((identification or ID) near code) near5 (differs or different or unlike or dissimilar) near5 ((memory or store or stored or storage or RAM or ROM))) same (memory or store or stored or storage or RAM or ROM) near5 (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 15:32
S167	1	(((identification or ID) near code) near5 (differs or different or unlike or dissimilar) near5 ((memory or store or stored or storage or RAM or ROM))) same (memory or store or stored or storage or RAM or ROM) same (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 15:33
S168	24	(((identification or ID) near code) same (differs or different or unlike or dissimilar) same ((memory or store or stored or storage or RAM or ROM))) same (memory or store or stored or storage or RAM or ROM) same (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 15:34
S169	1	(((identification or ID) near code) same (differs or different or unlike or dissimilar) same ((memory or store or stored or storage or RAM or ROM))) same (memory or store or stored or storage or RAM or ROM) same (video near content) same (channel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 15:34
S170	1	(((identification or ID) near code) same (differs or different or unlike or dissimilar) same ((memory or store or stored or storage or RAM or ROM))) same (memory or store or stored or storage or RAM or ROM) same (video near content) same (decode or decoding or decoded)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 15:36
S171	24	(((identification or ID) near code) same (differs or different or unlike or dissimilar) same ((memory or store or stored or storage or RAM or ROM))) same (memory or store or stored or storage or RAM or ROM) same (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 15:37
S172	752	(((identification or ID) near code) near10 (differs or different or unlike or dissimilar) near10 ((memory or store or stored or storage or RAM or ROM)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 15:39
S173	1	(((identification or ID) near code) near10 (differs or different or unlike or dissimilar) near10 ((memory or store or stored or storage or RAM or ROM))) same (memory or store or stored or storage or RAM or ROM) near10 (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 15:39
S174	10	(((identification or ID) near code) near10 (differs or different or unlike or dissimilar) near10 ((memory or store or stored or storage or RAM or ROM)))	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2015/12/15 15:40

		same (memory or store or stored or storage or RAM or ROM) near10 (channel)	EPO; JPO; DERWENT; IBM_TDB			
S175	752	(((identification or ID) near code) near10 (differs or different or unlike or dissimilar) near10 ((memory or store or stored or storage or RAM or ROM)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 15:42
S176	148	(((identification or ID) near code) near2 (differs or different or unlike or dissimilar) near2 ((memory or store or stored or storage or RAM or ROM)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 15:46
S177	3	(((identification or ID) near code) near2 (differs or different or unlike or dissimilar) near2 ((memory or store or stored or storage or RAM or ROM))) and 348/$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 15:46
S178	110	(((identification or ID) near code) near2 (differs or different or unlike or dissimilar) near2 ((memory or store or stored or storage or RAM or ROM))) and @py<"2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 15:48
S179	1	(((identification or ID) near code) near2 (differs or different or unlike or dissimilar) near2 ((memory or store or stored or storage or RAM or ROM))) same (television)and @py<"2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 15:49
S180	11	(((identification or ID) near code) near2 (differs or different or unlike or dissimilar) near2 ((memory or store or stored or storage or RAM or ROM))) and (video near2 content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 15:50
S181	0	(((identification or ID) near code) near2 (differs or different or unlike or dissimilar) near2 ((memory or store or stored or storage or RAM or ROM))) same (meory) and @py<"2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 15:53
S182	0	(((identification or ID) near code) near2 (differs or different or unlike or dissimilar) near2 ((memory or store or stored or storage or RAM or ROM))) same (meory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 15:53
S183	12 2	(((identification or ID) near code) near2 (differs or different or unlike or	US-PGPUB; USPAT;	OR R	OFF	2015/12/15 15:54

		dissimilar) near2 ((memory or store or stored or storage or RAM or ROM))) same (content)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S184	2796	(video near content) near5 (channel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 15:57
S185	134	(video near content) near5 (channel) near5 ((memory or store or stored or storage or RAM or ROM))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 15:57
S186	13	(video near content) near5 (channel) near5 ((memory or store or stored or storage or RAM or ROM)) same (decode or decoding or decoded)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 15:58
S187	16759	(video near content) near5 (display or displayed or displaying)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 16:12
S188	1558	((video near content) near5 (display or displayed or displaying)) same (video near content) near5 (memory or store or stored or storage or RAM or ROM)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 16:15
S189	11	((video near content) near5 (display or displayed or displaying)) same (video near content) near5 (memory or store or stored or storage or RAM or ROM) near5 (reproduced or duplicate or replicate or repeated)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 16:17
S190	181	(((identification or ID) near code) near3 (differs or different or unlike or dissimilar) near3 ((memory or store or stored or storage or RAM or ROM))) and @py< "2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 17:36
S191	123	(((identification or ID) near code) near3 (differs or different or unlike or dissimilar) near3 ((identification or ID) near code) near3((memory or store or stored or storage or RAM or ROM))) and @py< "2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 17:38

S192	123	((identification or ID) near code) near3 (differs or different or unlike or dissimilar) near3 ((identification or ID) near code) near3 (memory or store or stored or storage or RAM or ROM) and @py<"2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 17:40
S193	440	((identification or ID) near code) near3 (differs or different or unlike or dissimilar) same ((identification or ID) near code) near3 (memory or store or stored or storage or RAM or ROM)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 17:40
S194	440	(((identification or ID) near code) near3 (differs or different or unlike or dissimilar)) same (((identification or ID) near code) near3 (memory or store or stored or storage or RAM or ROM))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 17:41
S195	343	(((identification or ID) near code) near3 (differs or different or unlike or dissimilar)) same (((identification or ID) near code) near3 (memory or store or stored or storage or RAM or ROM)) and @py<"2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 17:41
S196	16	(((identification or ID) near code) near3 (differs or different or unlike or dissimilar)) same (((identification or ID) near code) near3 (memory or store or stored or storage or RAM or ROM)) and 348/$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 17:42
S197	8	(((identification or ID) near code) near3 (differs or different or unlike or dissimilar)) near20(((identification or ID) near code) near3 (memory or store or stored or storage or RAM or ROM)) and 348/$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 17:45
S198	4	("5752202" | "5774065" | "5798693" | "5999799").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/12/15 17:46
S199	326760	(display near unit) near4 (display or displayed or displying)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 18:02
S200	300299	(display near unit) near3 (display or displayed or displying)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 18:03
S201	217 17	(display near unit) near3 (display or displayed or displying) near2 (video	US-PGPUB; USPAT;	OR R	OFF	2015/12/15 18:03

		near content)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S202	59	(display near unit) near3 (display or displayed or displying) near2 (video near content) and 348/$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 18:04
S203	5	(display near unit) near3 (display or displayed or displying) near2 (video near content) same (channel) and 348/$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 18:08
S204	79	(television near signal near receiving near unit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 18:26
S205	38	(television near signal near receiving near unit) near3 (receive or receives or received or receiving) near2 (television near signal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 18:27
S206	39	(television near signal near receiving near unit) near5 (receive or receives or received or receiving) near2 (television near signal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 18:28
S207	42	(television near signal near receiving near unit) near15 (receive or receives or received or receiving) near2 (television near signal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 18:31
S208	37	(television near signal near receiving near unit) near15 ((receive or receives or received or receiving) near (television near signal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 18:31
S209	2762	(memory or store or stored or storage or RAM or ROM) near5 (channel) near5 (view or viewing or viewed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 18:37

S210	2	(memory or store or stored or storage or RAM or ROM) near5 (channel) near5 (view or viewing or viewed) near5 ("without") near5 (switch or switched or switching)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 18:38
S211	0	(memory or store or stored or storage or RAM or ROM) near5 (channel) near5 (view or viewing or viewed) near5 ("not") near5 (switch or switched or switching)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 18:39
S212	60	(memory or store or stored or storage or RAM or ROM) near5 (channel) near5 (view or viewing or viewed) near5 (switch or switched or switching)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 18:40
S213	1	(memory or store or stored or storage or RAM or ROM) near5 (channel) near5 (view or viewing or viewed) near5 (switch or switched or switching) near5 (predetermined near2 period near2 time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 18:41
S214	1	(memory or store or stored or storage or RAM or ROM) near5 (channel) near5 (view or viewing or viewed) near5 (switch or switched or switching) near5 (predetermine or predetermined or preset) near3 (period near2 time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 18:42
S215	1	(memory or store or stored or storage or RAM or ROM) near5 (channel) near5 (view or viewing or viewed) near5 (switch or switched or switching) near5 (predetermine or predetermined or preset or se or fixed) near3 (period near2 time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 18:43
S216	4	(memory or store or stored or storage or RAM or ROM) near5 (channel) near5 (view or viewing or viewed) near5 (switch or switched or switching) near5 (predetermine or predetermined or preset or se or fixed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 18:44
S217	5	(memory or store or stored or storage or RAM or ROM) near5 (channel) near5 (view or viewing or viewed) near5 (switch or switched or switching) same (predetermine or predetermined or preset or se or fixed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 18:45
S218	16397	(television) near5 (detect or detecting or detected)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	OFF	2015/12/15 18:52

			DERWENT; IBM_TDB			
S219	8	(television) near5 (detect or detecting or detected) near3 (start near time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 18:52
S220	16	(television) near5 (detect or detecting or detected) near3 (start near3 end)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 18:53
S221	0	(television) near5 (detect or detecting or detected) near3 (start near3 end) same (advertisement)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 18:54
S222	0	(television) near5 (detect or detecting or detected) near3 (start near3 end) same (video near serving)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 18:55
S223	0	(television) same (detect or detecting or detected) same (start near3 end) same (video near serving)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 18:55
S224	1	(television) same (start near3 end) same (video near serving)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 18:56
S225	950	(television) same (start near3 end) same (video)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 18:57
S226	48	(television) same (start near3 end) same (video) same (comercial or advertisement)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 18:57
S227	26	(television) same (start near3 end) same (video) same (comercial or advertisement) same (time or timing)	US-PGPUB; USPAT; USOCR;	OR	OFF	2015/12/15 18:59

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S228	173	(channel) near3 (select or selection) near3 (button) near3 (remote near (control or controller))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 19:05
S229	0	(channel) near3 (select or selection) near3 (button) near3 (remote near (control or controller)) near4 (start near3 end) near3 (time or timing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 19:07
S230	21	(channel) same (select or selection) same (button) same (remote near (control or controller)) same (start near3 end) same (time or timing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 19:07
S231	153	(transmit or transmitting or Communicate) near5 (setting or location or place) near5 (channel) near5 (memory or store or stored or storage or RAM or ROM)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 19:15
S232	0	(transmit or transmitting or Communicate) near5 (setting or location or place) near5 (channel) near5 (memory or store or stored or storage or RAM or ROM) near5 (end or ending) near2 (time or timening)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 19:16
S233	0	(transmit or transmitting or Communicate) near5 (setting or location or place) near5 (channel) near5 (memory or store or stored or storage or RAM or ROM) same (end or ending) near2 (time or timening)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 19:17
S234	94	(transmit or transmitting or Communicate) same (setting or location or place) same (channel) same (memory or store or stored or storage or RAM or ROM) same (end or ending) near2 (time or timening)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 19:17
S235	1243	(transmit or transmitting or Communicate) same (setting or location or place) same (channel) same (memory or store or stored or storage or RAM or ROM) same (end or ending) same (time or timening)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 19:17
S236	49	(transmit or transmitting or	US-PGPUB;	OR	OFF	2015/12/15

		Communicate) same (setting or location or place) same (channel) same (memory or store or stored or storage or RAM or ROM) same ((end or ending) near (time or timening))	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			19:18
S237	0	(transmit or transmitting or Communicate) near5 (setting or location or place) near5 (channel) near5 (memory or store or stored or storage or RAM or ROM) near5 (end or finish or finale or close)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 19:21
S238	0	(transmit or transmitting or Communicate) near5 (setting or location or place) near5 (channel) near5 (memory or store or stored or storage or RAM or ROM) same (end or finish or finale or close)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 19:21
S239	6786	(transmit or transmitting or Communicate) near5 (channel) near5 (memory or store or stored or storage or RAM or ROM)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 19:22
S240	98	(transmit or transmitting or Communicate) near5 (channel) near5 (memory or store or stored or storage or RAM or ROM) near5 (end or finish or finale or close)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 19:23
S241	3	(transmit or transmitting or Communicate) near5 (channel) near5 (memory or store or stored or storage or RAM or ROM) near5 (end or finish or finale or close) near3 (time or timining)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	19:23
S242	3	(transmit or transmitting or Communicate) near5 (channel) near5 (memory or store or stored or storage or RAM or ROM) near5 (end or finish or finale or close) near5 (time or timining)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 19:24
S243	4	(transmit or transmitting or Communicate) near5 (channel) near5 (memory or store or stored or storage or RAM or ROM) near5 (end or finish or finale or close) near10 (time or timining)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 19:24
S244	5	(transmit or transmitting or Communicate) near5 (channel) near5 (memory or store or stored or storage or RAM or ROM) near5 (end or finish or finale or close) near10 (time or timing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2015/12/15 19:24

			IBM_TDB			
S245	5	(transmit or transmitting or Communicate) near5 (channel) near5 (memory or store or stored or storage or RAM or ROM) near5 (end or finish or finale or close) with (time or timing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/15 19:25
S246	47	(channel) near5 (display or displayed or displaying) near3 ((two or dual) near screen)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 11:33
S247	8	(select or selection) near3 (channel) near5 (display or displayed or displaying) near3 ((two or dual) near screen)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 11:36
S248	89	((two or dual) near screen) near5 (display or displayed or displaying) near3 (end or close or finale)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 11:42
S249	2	((two or dual) near screen) near5 (display or displayed or displaying) near3 (end or close or finale) near3 (time or timing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 11:42
S250	164	((two or dual) near screen) near5 (display or displayed or displaying) near3 (time or timing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 11:43
S251	3	((two or dual) near screen) near5 (display or displayed or displaying) near3 (time or timing) near5 (end or finish)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 11:43
S252	104	((two or dual) near screen) near5 (display or displayed or displaying) near3 (time or timing) and @py<"2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 11:44
S253	88	((two or dual) near screen) near3 (display or displayed or displaying) near3 (time or timing) and @py<"2012"	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2015/12/16 11:45

			EPO; JPO; DERWENT; IBM_TDB			
S254	5	((two or dual) near screen) near3 (display or displayed or displaying) near3 (time or timing) same (end or ending or ended or done or over or finish) and @py<"2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 11:47
S255	53	((two or dual) near screen) near3 (display or displayed or displaying) near3 (time or timing) and (end or ending or ended or done or over or finish) and @py<"2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 11:51
S256	125	((two or dual) near screen) near3 (display or displayed or displaying) near3 (end or ending or ended or done or over or finish)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 11:54
S257	70	((two or dual) near screen) near3 (display or displayed or displaying) near3 (end or ending or ended or done or over or finish) and @py<"2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 11:54
S258	0	((two or dual) near screen) near3 (display or displayed or displaying) near3 (channel) near3 (end or ending or ended or done or over or finish) and @py<"2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 11:57
S259	16967	(switch or switching or switched or switches) near3 (television)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 12:02
S260	2035	(switch or switching or switched or switches) near3 (channel) near3 (television)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 12:04
S261	30	(switch or switching or switched or switches) near3 (channel) near3 (television) near5 (memory or store or stroage or RAM or ROM)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 12:05
S262	1263	(channel) near5 (memory or store or stroage or RAM or ROM) near3 (end or	US-PGPUB; USPAT;	OR R	OFF	2015/12/16 12:11

		ended or ending)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S263	103	(channel) near5 (memory or store or stroage or RAM or ROM) near3 (end or ended or ending) near3 (time or timing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 12:11
S264	93	(channel) near5 (memory or store or stroage or RAM or ROM) near3 (end or ended or ending) near3 (time or timing) and @py<"2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 12:12
S265	4508	(television near broadcast near program)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 12:15
S266	37	(television near broadcast near program) near3 (end or ended or ending)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 12:16
S267	1	(television near broadcast near program) near3 (end or ended or ending) near3 (exclude or excluded or remove or eliminate or omitted or omitte or disqualified)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 12:19
S268	1	(television or tv) near3 (broadcast or broadcasting or broadcasted) near3 (program) near3 (end or ended or ending) near3 (exclude or excluded or remove or eliminate or omitted or omitte or disqualified)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 12:21
S269	3	(television or tv) near3 (broadcast or broadcasting or broadcasted) near3 (end or ended or ending) near3 (exclude or excluded or remove or eliminate or omitted or omitte or disqualified)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 12:21
S270	3	(television or tv) near5 (broadcast or broadcasting or broadcasted) near5 (end or ended or ending) near5 (exclude or excluded or remove or eliminate or omitted or omitte or disqualified)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 12:21

S271	11	(television or tv) near15 (broadcast or broadcasting or broadcasted) near15 (end or ended or ending) near15 (exclude or excluded or remove or eliminate or omitted or omitte or disqualified)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 12:22
S272	2	"20090220209"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 12:55
S274	6	"20110085088"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 12:56
S275	7	"20100058414"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 12:58
S276	2	"20080201736"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 12:58
S277	5	"20100031288"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 12:59
S278	2	"20120223819"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 13:00
S279	2	"20060234677"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 13:55
S280	3	"20120281141"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	OFF	2015/12/16 13:56

			DERWENT; IBM_TDB			
S281	4	"20070127408"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 13:58
S282	3	"20080165906"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 14:00
S283	6	"20090129689"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 14:01
S284	4	"20090058597"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 14:03
S285	8	"20100023975"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 14:57
S286	3	"20060204229"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 15:47
S287	3	"20060245734"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 15:49
S288	3	"20080238755"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 16:52
S289	5	"20090055540"	US-PGPUB; USPAT; USOCR;	OR	OFF	2015/12/16 16:52

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S290	2	"20110314510"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 16:53
S291	2	"6317168".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 16:55
S292	2	"20120159536"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 16:56
S293	3	"20100235862"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 17:33
S294	6	"20050030427"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 17:34
S295	3	"20050235331"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 17:35
S296	5	"20110072459"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 17:49
S297	5	"20120026299"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/16 17:50
S298	1	("14649895").PN.	US-PGPUB;	OR	OFF	2016/08/24

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			09:09
S299	2	"14649895"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 09:10
S300	2	"20150304591"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 09:10
S301	2	"20150304591" and (display near apparatus)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 09:12
S302	2	"20150304591" and (display near apparatus) and television	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 09:15
S303	2	(video near content near delivery near source)	USPAT	OR	OFF	2016/08/24 09:17
S304	5	(video near content near delivery near source)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 09:19
S305	7325694	(display or displaying or displayed or displayes)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 09:20
S306	15566	(display or displaying or displayed or displayes) near3 (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 09:21
S307	373	(display or displaying or displayed or displayes) near3 (video near content) near4 (broadcast or broadcasting or broadcasted)	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2016/08/24 09:22

			EPO; JPO; DERWENT; IBM_TDB			
S308	5	(display or displaying or displayed or displayes) near3 (video near content) near4 (broadcast or broadcasting or broadcasted) near4 (station)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 09:22
S309	12	(display or displaying or displayed or displays) near5 (video near content) near5 (broadcast or broadcasting or broadcasted) near4 (station)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 09:26
S310	9687612	(executes or execute or executed or executing or achieve or complete or accomplish)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 10:32
S311	2775	(executes or execute or executed or executing or achieve or complete or accomplish) near5 (bi-directional)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 10:42
S312	584	(executes or execute or executed or executing or achieve or complete or accomplish) near5 (bi-directional) near5 (communication or communicating or communicate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 10:44
S313	1	"20150304591" and (terminal near device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 10:45
S314	0	(executes or execute or executed or executing or achieve or complete or accomplish) near5 (bi-directional) near5 (communication or communicating or communicate) near5 (first or primary) near3 (wireless or wirelessly)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 10:58
S315	0	(executes or execute or executed or executing or achieve or complete or accomplish) near5 (bi-directional) near5 (communication or communicating or communicate) same (first or primary) near3 (wireless or wirelessly)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 10:59
S316	2	"20150304591" and (terminal)	US-PGPUB; USPAT;	OR R	OFF	2016/08/24 11:00

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S317	2	"20150304591" and (terminal) and television	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 11:00
S318	1	"20150304591" and (terminal near device) and television	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 11:01
S319	0	"20150304591" and (terminal near device) and television and router	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 11:03
S320	1	"20150304591" and router	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 11:03
S321	560	(first or primary) near3 (wireless or wirelessly) near3 (terminal near device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 11:11
S322	25	(first or primary) near3 (wireless or wirelessly) near3 (terminal near device) same without	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 11:12
S323	0	(first or primary) near3 (wireless or wirelessly) near3 (terminal near device) same without near5 router	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 11:12
S324	0	(first or primary) near3 (wireless or wirelessly) near3 (terminal near device) same without near5 router	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 11:12

S325	0	(first or primary) near3 (wireless or wirelessly) near3 (terminal near device) same (without or absence) with router	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 11:14
S326	2	(first or primary) near3 (wireless or wirelessly) near3 (terminal near device) and without near5 router	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 11:15
S328	8	(first or primary) near3 (wireless or wirelessly) near3 ((terminal near device) or (television near receiver)) and (without or absence) with router	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 11:19
S329	0	(router) near5 (second or secondary) near3 (wireless or wirelessly) near3 ((terminal near device) or (television near receiver)) near5 (different)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 11:31
S330	0	(router) with (second or secondary) near3 (wireless or wirelessly) near3 ((terminal near device) or (television near receiver)) near5 (different)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 11:32
S331	8	(second or secondary) near3 (wireless or wirelessly) near3 ((terminal near device) or (television near receiver)) near5 (different)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 11:32
S333	1	(second or secondary) near3 (wireless or wirelessly) near3 ((terminal near device) or (television near receiver)) near5 (different) near5 (first or primary) near3 (wireless or wirelessly) and router	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 11:35
S334	1	(second or secondary) near3 (wireless or wirelessly) with ((terminal near device) or (television near receiver)) near5 (different) near5 (first or primary) near3 (wireless or wirelessly) with ((terminal near device) or (television near receiver)) and router	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 11:37
S335	4	(second or secondary) near3 (wireless or wirelessly) with ((terminal near device) or (television near receiver)) near5 (different) near5 (first or primary) near3 (wireless or wirelessly)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	OFF	2016/08/24 11:37

		with ((terminal near device) or (television near receiver))	DERWENT; IBM_TDB			
S336	50	((second or secondary) near3 (wireless or wirelessly) with ((terminal near device) or (television near receiver))) same (different) same ((first or primary) near3 (wireless or wirelessly) with ((terminal near device) or (television near receiver)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 11:40
S337	0	((second or secondary) near3 (wireless or wirelessly) with ((terminal near device) or (television near receiver))) same (different) same ((first or primary) near3 (wireless or wirelessly) with ((terminal near device) or (television near receiver))) and router	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 11:41
S338	40	((second or secondary) near3 (wireless or wirelessly) with ((terminal near device) or (television near receiver))) same (different) same ((first or primary) near3 (wireless or wirelessly) with ((terminal near device) or (television near receiver))) same communication	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 11:44
S339	0	((second or secondary) near3 (wireless or wirelessly) with ((terminal near device) or (television near receiver))) same (different) same ((first or primary) near3 (wireless or wirelessly) with ((terminal near device) or (television near receiver))) same communication same (bi-directional or bidirectional)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 11:46
S340	97	((first or primary) near3 (wireless or wirelessly) with ((terminal near device) or (television near receiver))) same (different or dissimilar or unalike or unlike)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 12:01
S341	65	((first or primary) near3 (wireless or wirelessly) near3 ((terminal near device) or (television near receiver))) same (different or dissimilar or unalike or unlike)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 12:01
S342	5	((first or primary) near3 (wireless or wirelessly) near3 ((terminal near device) or (television near receiver))) near3 (different or dissimilar or unalike or unlike)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 12:02
S343	2	(first near3 second) near4 (wireless or wirelessly) near3 ((terminal near device) or (television near receiver)) near3 (different or dissimilar or unalike or unlike)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2016/08/24 12:05

			IBM_TDB			
S344	2	(first near3 second) near4 (wireless or wirelessly) near4 ((terminal near device) or (television near receiver)) near4 (different or dissimilar or unalike or unlike)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 12:07
S345	3	(first near3 second) near4 (wireless or wirelessly) near4 ((terminal near device) or (television near receiver)) near5 (different or dissimilar or unalike or unlike)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 12:07
S346	195	(first near3 second) near4 (wireless or wirelessly) near4 ((terminal) or (television near receiver)) near5 (different or dissimilar or unalike or unlike)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 12:09
S347	156	(first near3 second) near4 (wireless or wirelessly) near4 (terminal) near3 (different or dissimilar or unalike or unlike)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 12:10
S348	195	(first near3 second) near4 (wireless or wirelessly) near4 ((terminal) or (television near receiver)) near5 (different or dissimilar or unalike or unlike)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 12:10
S349	111	(first near3 second) near3 (wireless or wirelessly) near3 ((terminal) or (television near receiver)) near3 (different or dissimilar or unalike or unlike)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 12:11
S350	57	(first near3 second) near3 (wireless or wirelessly) near3 ((terminal) or (television near receiver)) near3 (different or dissimilar or unalike or unlike) same communication	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 12:11
S351	24	(first near3 second) near3 (wireless or wirelessly) near3 ((terminal) or (television near receiver)) near3 (different or dissimilar or unalike or unlike) same communication same network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 12:11
S352	28	(first near3 second) near4 (wireless or wirelessly) near3 ((terminal) or (television near receiver)) near3 (different or dissimilar or unalike or	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2016/08/24 12:15

		unlike) same communication same network	EPO; JPO; DERWENT; IBM_TDB			
S353	32	(first near3 second) near4 (wireless or wirelessly) near4 ((terminal) or (television near receiver)) near4 (different or dissimilar or unalike or unlike) same communication same network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 12:15
S354	5	(first near3 second) near4 (wireless or wirelessly) near4 ((terminal) or (television near receiver)) near4 (different or dissimilar or unalike or unlike) same communication same network and router	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 12:22
S355	5	(first near3 second) near4 (wireless or wirelessly) near4 ((terminal) or (television near receiver)) near4 (different or dissimilar or unalike or unlike) same communication same network and router same wireless	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 12:24
S356	5	(first near3 second) near4 (wireless or wirelessly) near4 ((terminal) or (television near receiver)) near4 (different or dissimilar or unalike or unlike) same communication same network and router same wireless same communication	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 12:28
S357	5	(first near3 second) near4 (wireless or wirelessly) near4 ((terminal) or (television near receiver)) near4 (different or dissimilar or unalike or unlike) same communication same network and router same wireless same communication same network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 12:28
S358	284654	(network near3 communication)	USPAT	OR	OFF	2016/08/24 12:31
S359	3539	(network near3 communication) near3 (executes or execute or executed or executing or achieve or complete or accomplish)	USPAT	OR	OFF	2016/08/24 12:32
S360	172105	(network near3 communication) near3 (executes or execute or executed or executing or achieve or complete or accomplish) nea4 (bi-directional or bidirectional)	USPAT	OR	OFF	2016/08/24 12:33
S361	11	(network near3 communication) near3 (executes or execute or executed or executing or achieve or complete or accomplish) near4 (bi-directional or bidirectional)	USPAT	OR	OFF	2016/08/24 12:33
S362	435	(network near3 communication) and (executes or execute or executed or executing or achieve or complete or accomplish) near4 (bi-directional or bidirectional)	USPAT	OR	OFF	2016/08/24 12:33
S363	155	(network near3 communication) and	USPAT	OR	OFF	2016/08/24

		(executes or execute or executed or executing or achieve or complete or accomplish) near4 (bi-directional or bidirectional) near4 (communication)				12:33
S364	4	(network near3 communication) and (executes or execute or executed or executing or achieve or complete or accomplish) near4 (bi-directional or bidirectional) near4 (communication) near4 (router)	USPAT	OR	OFF	2016/08/24 12:34
S365	6	(network near3 communication) and (executes or execute or executed or executing or achieve or complete or accomplish) near4 (bi-directional or bidirectional) near4 (communication) near4 (router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 12:35
S366	1	(network near3 communication) same (executes or execute or executed or executing or achieve or complete or accomplish) near4 (bi-directional or bidirectional) near4 (communication) near4 (router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 12:39
S367	81452	(infrared near rays)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 12:48
S368	1233	(infrared near rays) near2 (remote near (control or controller))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 12:48
S369	8	(infrared near receiver) near2 (infrared near rays) near2 (remote near (control or controller))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 12:49
S370	132	(control or controller) near3 (display or displaying or displayed or displayes) same (direct near communication)	USPAT	OR	OFF	2016/08/24 12:54
S371	0	(control or controller) near3 (display or displaying or displayed or displayes) same (direct near communication) same (network near communication)	USPAT	OR	OFF	2016/08/24 12:55
S372	7	(control or controller) same (display or displaying or displayed or displayes) same (direct near communication) same (network near communication)	USPAT	OR	OFF	2016/08/24 12:55
S373	2	(control or controller) same (display or displaying or displayed or displayes) same (direct near communication) same (network near communication)	USPAT	OR	OFF	2016/08/24 12:56

		same (remote)				
S374	6	(control or controller) same (display or displaying or displayed or displayes) same (direct near communication) same (network near communication) same (remote)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 12:57
S375	1	(control or controller) same (display or displaying or displayed or displayes) same (direct near communication) same (network near communication) same (remote near (control or controller))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:15
S376	240	(display or displaying or displayed or displayes) near3 (first near video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:20
S377	16	(display or displaying or displayed or displayes) near3 (first near video near content) near3 (select or selected or selecting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:21
S378	0	(display or displaying or displayed or displayes) near3 (first near video near content) near3 (select or selected or selecting) same (first near3 wireless)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:22
S379	2	(display or displaying or displayed or displayes) near3 (first or primary) near3 (video near2 content) same (select or selected or selecting) same (first near3 wireless)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:23
S380	13	(display or displaying or displayed or displayes) same (first or primary) near3 (video near2 content) same (select or selected or selecting) same (first near3 wireless)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:23
S381	0	(display or displaying or displayed or displayes) same (first or primary) near3 (video near2 content) same (select or selected or selecting) same (first near3 wireless) near terminal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:25
S382	0	(display or displaying or displayed or displayes) same (first or primary) near3 (video near2 content) same (select or selected or selecting) same	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2016/08/24 13:25

		(first near3 wireless) same terminal	EPO; JPO; DERWENT; IBM_TDB			
S383	5	(display or displaying or displayed or displayes) and ((first or primary) near3 (video near2 content) near3 (select or selected or selecting)) same (first near3 wireless)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:27
S384	12	(display or displaying or displayed or displayes) and ((first or primary) near3 (video near2 content) near3 (select or selected or selecting)) and (first near3 wireless)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:28
S385	16	(display or displaying or displayed or displayes) and ((first or primary) near3 (video near2 content) near3 (select or selected or selecting)) and (first or primary) near3 (wireless or wirelessly)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:29
S386	0	(display or displaying or displayed or displayes) and ((first or primary) near3 (video near2 content) near3 (select or selected or selecting)) and (first or primary) near3 (wireless or wirelessly) near5 (terminal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:29
S387	0	(display or displaying or displayed or displayes) and ((first or primary) near3 (video near2 content) near3 (select or selected or selecting)) and ((first or primary) near3 (wireless or wirelessly) near5 (terminal near device))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:31
S388	0	(display or displaying or displayed or displayes) and ((first or primary) near3 (video near2 content) near3 (select or selected or selecting)) and ((first or primary) near3 (wireless or wirelessly) near15 (terminal near device))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:31
S389	0	(display or displaying or displayed or displayes) and ((first or primary) near3 (video near2 content) near3 (select or selected or selecting)) and ((first or primary) near3 (wireless or wirelessly) near15 (terminal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:31
S390	0	(display or displaying or displayed or displayes) and ((first or primary) near3 (video near2 content) near3 (select or selected or selecting)) and ((first or primary) near3 (wireless or wirelessly) near15 (terminal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:32
S391	0	(display or displaying or displayed or displayes) and ((first or primary) near3	US-PGPUB; USPAT;	OR R	OFF	2016/08/24 13:32

		(video near2 content) near3 (select or selected or selecting)) and ((first or primary) near5 (wireless or wirelessly) near20 (terminal))	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S392	0	(display or displaying or displayed or displayes) and ((first or primary) near3 (video near2 content) near3 (select or selected or selecting)) and ((first or primary) near5 (wireless or wirelessly) with (terminal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:33
S393	2	"20150304591" and (video content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:34
S394	2	"20150304591" and (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:35
S395	2	"20150304591" and (content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:37
S396	2	"20150304591" and (content) same channel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:39
S397	0	((first or primary) near3 (video near2 content) near3 (select or selected or selecting)) and ((first or primary) near5 (wireless or wirelessly) with (terminal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:41
S398	3	(display or displaying or displayed or displayes) and ((video near2 content) near3 (select or selected or selecting)) and ((first or primary) near5 (wireless or wirelessly) with (terminal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:44
S399	789	(first or primary) with (video near2 content) near3 (select or selected or selecting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:47

S400	1827	(first or primary) with (video near2 content) with (select or selected or selecting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:48
S401	15407	(video near2 content) with (select or selected or selecting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:49
S402	3048	(video near2 content) with (select or selected or selecting) same (first wireless)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:50
S403	67	(video near2 content) with (select or selected or selecting) same (first wireless) near3 (terminal or station)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:51
S404	36	(video near2 content) with (select or selected or selecting) same (first wireless) near3 (terminal or station) same (display or displaying or displayed or displayes)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:51
S405	0	(video near2 content) with (select or selected or selecting) same (first near2 wireless) near3 (terminal or station) same (display or displaying or displayed or displayes)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:52
S406	0	(video near2 content) with (select or selected or selecting) same (first near3 wireless) near3 (terminal or station)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:53
S407	16513	(first near3 wireless) near3 (terminal or station)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:53
S408	8	(video near2 content) with (select or selected or selecting) and (first near3 wireless) near3 (terminal or station)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	OFF	2016/08/24 13:54

			DERWENT; IBM_TDB			
S409	0	(video near2 content) with (select or selected or selecting) same (first near3 wireless) near3 (terminal or station)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 13:57
S410	0	"20150304591" and (camera)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 14:01
S411	9	(change or changing) near (video near content) near3 (second near video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 14:13
S412	1	(change or changing) near (video near content) near3 (second near video near content) same communication	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 14:15
S413	0	(change or changing) near5 (video near content) near10 (second near video near content) same communication same (router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 14:16
S414	2	(change or changing) near5 (video near content) near10 (second near video near content) same communication	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 14:18
S415	1	(change or changing) with (video near content) with (second near video near content) same communication same network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 14:20
S416	8782	(network near3 communication near3 router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 14:23
S417	8	(network near3 communication near3 router) and (first near video near2 content)	US-PGPUB; USPAT; USOCR;	OR	OFF	2016/08/24 14:25

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S418	0	(video near2 (channel or content)) near5 (change or changing) near5 (second or secondary) near3 (vide near2 (contern or channel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 14:29
S419	0	(change or changing or switch or switching) near5 (video near2 (channel or content)) near5 (second or secondary) near3 (vide near2 (contern or channel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 14:30
S420	282	(change or changing or switch or switching or shift) near5 (first or primary) near5 (video) near3 (channel or content) near5 (second or secondary)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 14:34
S421	49	(change or changing or switch or switching or shift) near5 (first or primary) near5 (video) near3 (channel or content) near5 (second or secondary) near3 (display or displaying or displayed or displays)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 14:35
S422	3	(change or changing or switch or switching or shift) near5 (first or primary) near5 (video) near3 (channel or content) near5 (second or secondary) near3 (display or displaying or displayed or displays) and router	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 14:36
S423	11	(change or changing or switch or switching or shift) near5 (first or primary) near5 (video) near3 (channel or content) near5 (second or secondary) same (display or displaying or displayed or displays) and router	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 14:39
S424	5	(change or changing or switch or switching or shift) near5 (first or primary) near5 (video) near3 (channel or content) near5 (second or secondary) same (display or displaying or displayed or displays) and router same communication	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 14:42
S425	10	(change or changing or switch or switching or shift) near5 (first or primary) near5 (video) near3 (channel or content) near5 (second or secondary) same (display or displaying or displayed or displays) and router and communication and (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 14:43

S426	10	(change or changing or switch or switching or shift) near5 (first or primary) near5 (video) near3 (channel or content) near5 (second or secondary) same (display or displaying or displayed or displays) and router and communication and (video near content) and (channel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 14:43
S427	10	(change or changing or switch or switching or shift) near5 (first or primary) near5 (video) near3 (channel or content) near5 (second or secondary) same (display or displaying or displayed or displays) and router and communication and (video near content) and (channel) and wireless	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 14:47
S428	10	(change or changing or switch or switching or shift) near5 (first or primary) near5 (video) near3 (channel or content) near5 (second or secondary) same (display or displaying or displayed or displays) and router and communication and (video near content) and (channel) and wireless and network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 14:49
S429	3	(change or changing or switch or switching or shift) near5 (first or primary) near5 (video) near3 (channel or content) near5 (second or secondary) same (display or displaying or displayed or displays) and router and communication and (video near content) and (channel) and wireless same network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 14:50
S430	5482	(first or primary) near5 (content or channel) same (first or primary) near5 (wireless or wirelessly)	USPAT	OR	OFF	2016/08/24 15:08
S431	3269	(first or primary) near5 (content or channel) same (first or primary) near5 (wireless or wirelessly) near5 (terminal or station)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 15:08
S432	0	(first or primary) near5 (content or channel) same (first or primary) near5 (wireless or wirelessly) near5 (terminal or station) same (without or absence) near10 (router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 15:11
S433	392823	(first or primary) near5 (content or channel) same (first or primary) near5 (wireless or wirelessly) near5 (terminal or station) same (without or absence) samr (router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 15:12
S434	0	(first or primary) near5 (content or channel) same (first or primary) near5 (wireless or wirelessly) near5 (terminal	US-PGPUB; USPAT; USOCR;	OR	OFF	2016/08/24 15:12

		or station) same (without or absence) same (router)	FPRS; EPO; JPO; DERWENT; IBM_TDB			
S435	24	(first or primary) near5 (content or channel) same (first or primary) near5 (wireless or wirelessly) near5 (terminal or station) and (without or absence) same (router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 15:13
S436	4	(first or primary) near5 (content or channel) same (first or primary) near5 (wireless or wirelessly) near5 (terminal or station) same (display or displaying or displayed or displays) and (without or absence) same (router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 15:19
S437	3	"20130332956"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 15:22
S438	0	"20130332956" and (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 15:22
S439	997	(display or displaying or displayed or displays) near5 (first or primary) near5 (video near2 (content or channel)) same (second or secondary) near5 (video near2 (content or channel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 15:28
S440	18	(display or displaying or displayed or displays) same (first or primary) near5 (video near2 (content or channel)) same (starts or start) near5 (second or secondary) near5 (video near2 (content or channel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 15:29
S441	18	(display or displaying or displayed or displays) same ((first or primary) near5 (video near2 (content or channel))) same ((starts or start) near5 (second or secondary) near5 (video near2 (content or channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 15:42
S442	16	(display or displaying or displayed or displays) with ((first or primary) near5 (video near2 (content or channel))) same ((starts or start) near5 (second or secondary) near5 (video near2 (content or channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 15:46
S443	9	(display or displaying or displayed or	US-PGPUB;	OR	OFF	2016/08/24

		displays) with ((first or primary) near5 (video near2 (content or channel))) same ((starts or start) near5 (second or secondary) near5 (video near2 (content or channel))) with (display or displaying or displayed or displays)	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			15:47
S444	11	(video near2 content) with (select or selected or selecting) and (second near3 wireless) near3 (terminal or station)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 15:56
S445	1	(video near2 content) with (select or selected or selecting) and (second near3 wireless) near3 (terminal or station) same (display or displaying or displayed or displays)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 15:57
S446	0	"20140229994"	USPAT	OR	OFF	2016/08/24 16:13
S447	2	"20140229994"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 16:13
S448	1	"20140229994" and (second) same (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 16:
S449	0	"20140229994" and (frrst) same (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 16:16
S450	0	(change or changing or switch or switching or shift) near5 (second or secondary) near5 (video) near3 (channel or content) near5 (another or alternative)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 16:22
S451	0	(change or changing or switch or switching or shift) near5 (second or secondary) near5 (video) near3 (channel or content) near5 (another or alternative) same (remote near (control or controller))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 16:25
S452	485	(change or changing or switch or switching or shift) near5 (second or secondary) near5 (video) near3 (channel or content)	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2016/08/24 16:25

			EPO; JPO; DERWENT; IBM_TDB			
S453	523	(change or changing or switch or switching or shift) near5 (second or secondary) near5 (video) near5 (channel or content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 16:26
S454	304	(change or changing or switch or switching or shift) near3 (second or secondary) near5 (video) near5 (channel or content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 16:28
S455	0	(change or changing or switch or switching or shift) near3 (second or secondary) near5 (video) near5 (channel or content) near3 (another)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 16:29
S456	0	(change or changing or switch or switching or shift) near3 (second or secondary) near5 (video) near5 (channel or content) near3 (another near video)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 16:31
S457	0	(change or changing or switch or switching or shift) near3 (second or secondary) near5 (video) near5 (channel or content) near3 (another or other) near5 (video)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 16:31
S458	4	(change or changing or switch or switching or shift) near3 (second or secondary) near5 (video) near5 (channel or content) near3 (different or unlike or unalike or additional or extra or alternative) near5 (video)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	16:34
S459	0	(change or changing or switch or switching or shift) near3 (second or secondary) near5 (video) near5 (channel or content) near3 (different or unlike or unalike or additional or extra or alternative) near5 (video) same (remote near (control or controller))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 16:36
S460	0	(change or changing or switch or switching or shift) near3 (second or secondary) near5 (video) near5 (channel or content) near3 (different or unlike or unalike or additional or extra or alternative) and (remote near (control or controller))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 16:37
S461	136730	(remote near (control or controller))	US-PGPUB;	OR	OFF	2016/08/24

		same (change or changing or switch or switching or shift)	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			16:38
S462	35	(remote near (control or controller)) same (change or changing or switch or switching or shift) near15 (second or secondary) near5 (video) near5 (channel or content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 16:39
S463	1	(remote near (control or controller)) same (change or changing or switch or switching or shift) near15 (second or secondary) near5 (video) near5 (channel or content) near3 (different or unlike or unalike or additional or extra or alternative)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 16:39
S464	1	(remote near (control or controller)) same (change or changing or switch or switching or shift) near15 (second or secondary) near5 (video) near5 (channel or content) near5 (different or unlike or unalike or additional or extra or alternative)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 16:40
S465	32	(display or displaying or displayed or displays) near15 (second or secondary) near5 (content or channel) near5 (router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 16:49
S466	0	(display or displaying or displayed or displays) near15 (second or secondary) near5 (content or channel) near5 (router) same network same communication	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 16:49
S467	28	((display or displaying or displayed or displays) near15 (second or secondary) near3 (content or channel) near5 (router))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 16:51
S468	78	((display or displaying or displayed or displays) near15 ((second or secondary) near3 (content or channel))) same (router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 16:52
S469	5	((display or displaying or displayed or displays) near15 ((second or secondary) near3 (content or channel))) same (router) same ((wireless or wirelessly) near5 (terminal or station))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2016/08/24 16:54

			IBM_TDB			
S470	0	((display or displaying or displayed or displays) near15 ((second or secondary) near3 (content or channel))) same (start or start) near3 (display or displaying or displayed or displays) near10 (different or unlike or unalike or additional or extra or alternative) near5 (video)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 17:13
S471	25204	((display or displaying or displayed or displays) near15 ((second or secondary) near3 (content or channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 17:14
S472	0	((start or start) near3 (display or displaying or displayed or displays) near10 (different or unlike or unalike or additional or extra or alternative) near5 (video) near3 (content or channel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 17:16
S473	17	((start or start) with (display or displaying or displayed or displays) near10 (different or unlike or unalike or additional or extra or alternative) near5 (video) near3 (content or channel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 17:16
S474	2728	((display or displaying or displayed or displays) near10 (different or unlike or unalike or additional or extra or alternative) near5 (video) near3 (content or channel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 17:16
S475	3000	((display or displaying or displayed or displays) near10 (different or unlike or unalike or additional or extra or alternative) near5 (video) near5 (content or channel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 17:16
S476	757	((display or displaying or displayed or displays) near10 (different or unlike or unalike or additional or extra or alternative) near5 (video) near5 (content or channel)) and ((display or displaying or displayed or displays) near15 ((second or secondary) near3 (content or channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 17:17
S477	2	((starts or start) with (display or displaying or displayed or displays) near10 (different or unlike or unalike or additional or extra or alternative) near5 (video) near5 (content or channel)) and ((display or displaying or displayed or displays) near15 ((second or secondary) near3 (content or channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 17:18

S478	147	(first or primary) near5 (content or channel) same (first or primary) near5 (wireless or wirelessly) near5 (terminal or station) same (display or displaying or displayed or displays)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 17:30
S479	4	(first or primary) near5 (content or channel) same (first or primary) near5 (wireless or wirelessly) near5 (terminal or station) same (display or displaying or displayed or displays) and (without or with-out or absence) same (router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 17:31
S480	5	(first or primary) near5 (content or channel) same (first or primary) near5 (wireless or wirelessly) same (terminal or station) same (display or displaying or displayed or displays) and (without or with-out or absence) same (router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 17:32
S481	5	(first or primary) near5 (content or channel) same (first or primary) near5 (wireless or wirelessly) same (terminal or station) same (display or displaying or displayed or displays) and (without or with-out or absence) same (router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 17:32
S482	213	(display or displaying or displayed or displays) same (first or primary) near5 (content or channel) same (first or primary) near5 (wireless or wirelessly) same (terminal or station)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 17:39
S483	0	(display or displaying or displayed or displays) same (first or primary) near5 (content or channel) same (first or primary) near5 (wireless or wirelessly) same (terminal or station) same (without or with-out or absence) same (router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 17:40
S484	5	(display or displaying or displayed or displays) same (first or primary) near5 (content or channel) same (first or primary) near5 (wireless or wirelessly) same (terminal or station) and (without or with-out or absence) same (router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 17:40
S485	427	(display or displaying or displayed or displays) same (first or primary) near15 (content or channel) same (first or primary) near15 (wireless or wirelessly) same (terminal or station)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 17:53
S486	7	(display or displaying or displayed or displays) same (first or primary) near15 (content or channel) same (first or primary) near15 (wireless or wirelessly) same (terminal or station)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	OFF	2016/08/24 17:54

		and (without or with-out or absence) near15 (router)	DERWENT; IBM_TDB			
S487	424	(first or primary) near15 (wireless or wirelessly) same (terminal or station) and (without or with-out or absence) near15 (router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 18:04
S488	325	(first or primary) near15 (wireless or wirelessly) near20 (terminal or station) and (without or with-out or absence) near15 (router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 18:04
S489	130	(first or primary) near15 (wireless or wirelessly) near20 (terminal or station) and (without or with-out or absence) near15 (router) same communication	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 18:04
S490	55	communication with (first or primary) near15 (wireless or wirelessly) near20 (terminal or station) and (without or with-out or absence) near15 (router) same communication	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 18:05
S491	12	communication with (first or primary) near15 (wireless or wirelessly) near20 (terminal or station) and (without or with-out or absence) near3 (router) same communication	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 18:06
S492	0	(bi-directional or bi-directional) and communication with (first or primary) near15 (wireless or wirelessly) near20 (terminal or station) and (without or with-out or absence) near3 (router) same communication	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 18:10
S493	1	"20150304591" and audio	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 18:12
S494	0	"20150304591" and image	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 18:14
S495	1	"20150304591" and mobile	US-PGPUB; USPAT; USOCR;	OR	OFF	2016/08/24 18:14

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S496	2	"20100053441"	US-PGPUB; USPAT	OR	OFF	2016/08/24 23:22
S497	5	"20100053441"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 23:22
S498	3	"20130312040"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 23:24
S499	3	"20140033900"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 23:25
S500	2	"20140229994"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 23:26
S501	3	"20120173753"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 23:28
S502	4	"20130031162"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 23:29
S503	7	"20120054790"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 23:30
S504	2	"20140229994"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2016/08/24 23:31

			IBM_TDB			
S505	2	"8749426".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 23:33
S506	4	"20130031594"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/24 23:34
S507	2	"20080218148"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/25 12:13
S508	3	"20100329247"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/08/25 12:15
S509	2	"14649895"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/01/17 18:42
S510	2	"20150304591"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/01/17 18:43
S511	0	("2015/0304591").URPN.	USPAT	OR	OFF	2017/01/17 18:43
S512	0	("direct communication unit executes bi-directional communication directly first wireless terminal device without going via router").clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/01/17 18:44
S513	0	("network communication unit executes bi-directional communication router second wireless terminal device different from first wireless terminal").clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/01/17 18:54
S514	0	("infrared receiver unit receives	US-PGPUB;	OR	OFF	2017/01/17

		infrared rays from remote controller").clm.	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			18:55
S515	0	("controller controls the display unit, direct communication unit, network communication unit, infrared receiver").clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/01/17 18:55
S516	0	("during display on the display unit first video content selected first wireless terminal device ").clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/01/17 18:56
S517	0	("if first command changing video content display unit from first video content second video content").clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/01/17 18:57
S518	0	("transmitted from first second wireless terminal device network communication unit via router").clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/01/17 18:58
S519	0	("display unit terminates displaying first content and starts display the second ").clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/01/17 19:54
S520	0	("content and the direct communication unit sends first information for informing termination of the displaying first content directly first wireless terminal device going via router").clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/01/17 19:57
S521	0	("during display display unit second video content selected second wireless terminal device").clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/01/17 19:58
S522	0	("if second command changing video content display unit from second video content another video content").clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2017/01/17 19:59

			IBM_TDB			
S523	0	("transmitted from remote controller infrared receiver unit by infrared rays").clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/01/17 19:59
S524	0	("display unit terminates displaying second content ").clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/01/17 20:00
S525	0	("starts display video content and network communication unit sends second information informing termination the displaying second content via router to second wireless terminal ").clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/01/17 20:01
S526	0	("displaying step display video content broadcast station or video content delivery source display unit video display apparatus ").clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/01/17 20:02
S527	0	"20100158109"	USPAT	OR	OFF	2017/01/17 20:09
S528	1	"20100031288"	USPAT	OR	OFF	2017/01/17 20:10
S529	12	("2010/0031288").URPN.	USPAT	OR	OFF	2017/01/17 20:10
S530	3	"20100157978"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/01/17 20:10
S531	9	("20040177378" | "20060210050" | "20070274486" | "20100031288" | "5623537" | "6292210" | "6741684" | "6842622" | "7515698").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/01/17 20:11
S532	128	("5623537").URPN.	USPAT	OR	OFF	2017/01/17 20:12
S533	10	("20040177378" | "20060210050" | "20070274486" | "20100031288" | "5623537" | "6292210" | "6741684" | "6842622" | "7515698").PN. OR ("8369249").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/01/17 20:12
S534	17	("2007/0101370").URPN.	USPAT	OR	OFF	2017/01/17 20:13
S535	0	("2008/0186411").URPN.	USPAT	OR	OFF	2017/01/17 20:15
S536	0	"20080186411"	USPAT	OR	OFF	2017/01/17 20:16

S537	34	("2008/0201736").URPN.	USPAT	OR	OFF	2017/01/17 20:17
S538	3	"20130227622"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/01/17 20:17
S539	22	("20020129364" | "20030145338" | "20030149983" | "20030229900" | "20040261130" | "20070094352" | "20070250901" | "20080152305" | "20080201736" | "20090132349" | "20090327894" | "20100058397" | "20100312596" | "20110131602" | "20110224992" | "20110292992" | "20110320627" | "20130031587" | "20150271572" | "7536706" | "8424037" | "9009339").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/01/17 20:17
S540	3	"20110320627"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/01/17 20:18
S541	5	"20030229900"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/01/17 20:19
S542	9	("5532748" | "5898463" | "5900915" | "5969767" | "5982411" | "6014178" | "6128352" | "6137537" | "6208388").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/01/17 20:20
S543	1	"6208388".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/01/17 20:20
S560	3	"20100157978"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/03/15 10:42
S561	2	"20100157978" and (display or displaying or displayed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/03/15 10:52
S562	0	"20100157978" and (display or displaying or displayed) same (video near content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2017/03/15 10:53

			IBM_TDB			
S563	2	"20100157978" and (display or displaying or displayed) same (video)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/03/15 10:54
S564	0	"20100157978" and (display or displaying or displayed) same (video) same (broadcast or broadcasting or broadcasted)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/03/15 10:55
S565	2	"20100157978" and (display or displaying or displayed) same (video)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/03/15 11:24
S566	0	"20100157978" and bi-directional	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/03/15 11:27
S567	3	"20100157978" and wireless	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/03/15 11:35
S568	0	"20100157978" and wireless same router	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/03/15 11:36
S569	2	"20100157978" and wireless and router	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/03/15 11:36
S570	2	"14649895"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/08 13:06
S571	2	"20150304591"	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2017/05/08 13:06

			EPO; JPO; DERWENT; IBM_TDB			
S572	1	"20150304591" and (hardware)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/08 13:24
S573	1	"20150304591" and (hardware) and (software)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/08 13:24
S574	7	(display or displaying or displayed or displayes) near3 (video near content) near4 (broadcast or broadcasting or broadcasted) near4 (station)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/08 13:45
S575	15	(display or displaying or displayed or displays) near5 (video near content) near5 (broadcast or broadcasting or broadcasted) near4 (station)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/08 13:45
S576	8	(first or primary) near3 (wireless or wirelessly) near3 ((terminal near device) or (television near receiver)) and (without or absence) with router	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/08 14:01
S577	5	(first near3 second) near4 (wireless or wirelessly) near4 ((terminal) or (television near receiver)) near4 (different or dissimilar or unalike or unlike) same communication same network and router same wireless same communication same network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/08 14:23
S578	2	(network near3 communication) same (executes or execute or executed or executing or achieve or complete or accomplish) near4 (bi-directional or bidirectional) near4 (communication) near4 (router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/08 14:25
S579	2	"20150304591"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/08 14:45
S580	0	"20150304591" and ("wireless terminal device")	US-PGPUB; USPAT;	OR R	OFF	2017/05/08 14:48

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S581	1	"20150304591" and ("terminal device")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/08 14:49
S582	2	"20150304591" and (terminal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/08 14:50
S583	1	"20150304591" and (mobile)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/08 15:33
S584	2	"20150304591" and (channel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/08 15:34
S585	0	"20150304591" and (first near wireless)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/08 15:45
S586	0	"20150304591" and (first near3 wireless)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/08 15:46
S587	1	"20150304591" and (first)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/08 15:46
S588	1	"20150304591" and (first) and (second)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/08 15:48

S589	1	"20150304591" and without	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/08 15:58
S590	2	"20100157978" and (remote)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/08 17:23
S591	2	"20100157978" and (display or displaying or displayed or displays)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/08 17:28
S592	3	"20100157978"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 10:41
S593	0	"20100157978" and channel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 10:41
S594	2	"20100157978" and channels	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 10:42
S595	2	"20100157978" and (display or displaying or displayed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 11:13
S596	2	"20100157978" and (display or displaying or displayed) and (wireless or wirelessly)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 11:21
S597	1	"20150304591" and mobile	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	OFF	2017/05/09 11:24

			DERWENT; IBM_TDB			
S598	0	"20150304591" and mobile and smart	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 11:25
S599	0	"20150304591" and mobile and phone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 11:25
S600	1	"20150304591" and (wireless or wirelessly)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 11:36
S601	116	(first or primary) near3 (wireless or wirelessly) near3 (mobile) and (without or absence) with router	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 11:43
S602	518	(bi-directional) near5 (communication or communicating or communicate) near5 (first or primary) near3 (wireless or wirelessly)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 11:46
S603	0	(bi-directional) near5 (communication or communicating or communicate) near5 (first or primary) near3 (wireless or wirelessly) with (mobile) same (without or absence) with router	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 11:47
S604	14	(bi-directional) near5 (communication or communicating or communicate) near5 (first or primary) near3 (wireless or wirelessly) with (mobile)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 11:47
S605	3	(first or primary) near3 (wireless or wirelessly) near3 ((terminal near device) or (television near receiver)) and without near5 router	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 11:48
S606	12	(first or primary) near3 (wireless or wirelessly) near3 ((terminal near device) or (television near receiver))	US-PGPUB; USPAT; USOCR;	OR	OFF	2017/05/09 11:52

		and ((without) near3 (wireless or wirelessly) near5 ((router) or (Wi-Fi) or ("wireless LAN")))	FPRS; EPO; JPO; DERWENT; IBM_TDB			
S607	55	(first or primary) near3 (wireless or wirelessly) near3 (mobile) and ((without) near3 (wireless or wirelessly) near5 ((router) or (Wi-Fi) or ("wireless LAN")))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 11:53
S608	2	(first or primary) near3 (wireless or wirelessly) near3 (mobile) same ((without) near3 (wireless or wirelessly) near5 ((router) or (Wi-Fi) or ("wireless LAN")))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 11:54
S609	2	(first or primary) near3 (wireless or wirelessly) near3 (mobile) same ((without or absence or absent or minus or nonattendance or nonappearance or absenteeism) near3 (wireless or wirelessly) near5 ((router) or (Wi-Fi) or ("wireless LAN")))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 11:59
S610	5	(first or primary) near3 (mobile) same ((without or absence or absent or minus or nonattendance or nonappearance or absenteeism) near3 (wireless or wirelessly) near5 ((router) or (Wi-Fi) or ("wireless LAN")))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 11:59
S611	28	(first or primary) near3 (mobile) same ((without or absence or absent or minus or nonattendance or nonappearance or absenteeism) near3 ((router) or (Wi-Fi) or ("wireless LAN")))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 12:02
S612	5	(first or primary) near3 (mobile) near15 ((without or absence or absent or minus or nonattendance or nonappearance or absenteeism) near3 ((router) or (Wi-Fi) or ("wireless LAN")))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 12:03
S613	8	(first or primary) near3 (mobile) with ((without or absence or absent or minus or nonattendance or nonappearance or absenteeism) near3 ((router) or (Wi-Fi) or ("wireless LAN")))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 12:05
S614	1	(first or primary) near3 (mobile) same ((absence or absent or minus or nonattendance or nonappearance or absenteeism) near3 ((router) or (Wi-Fi) or ("wireless LAN")))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 12:09
S615	21	(first or primary) near3 (mobile) same	US-PGPUB;	OR	OFF	2017/05/09

		((without or absence or absent or minus or nonattendance or nonappearance or absenteeism) near2 ((router) or (Wi-Fi) or ("wireless LAN")))	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			12:12
S616	11	(first or primary) near3 (mobile) same ((without or absence or absent or minus or nonattendance or nonappearance or absenteeism) near ((router) or (Wi-Fi) or ("wireless LAN")))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 12:12
S617	45	(first or primary) near3 (mobile) with ((without or absence or absent or minus or nonattendance or nonappearance or absenteeism) with ((router) or (Wi-Fi) or ("wireless LAN")))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 12:17
S618	94	(first or primary) near3 (mobile) with ((without or absence or absent or minus or nonattendance or nonappearance or absenteeism or "off") with ((router) or (Wi-Fi) or ("wireless LAN")))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 12:18
S619	2	"20100157978" and ((router) or (Wi-Fi) or ("wireless LAN"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 12:21
S620	1432	(first or primary) near3 (mobile) with ((without or absence or absent or minus or nonattendance or nonappearance or absenteeism or "off") with ((router) or (Wi-Fi) or ("wireless LAN") or (network nea router)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 12:33
S621	94	(first or primary) near3 (mobile) with ((without or absence or absent or minus or nonattendance or nonappearance or absenteeism or "off") with ((router) or (Wi-Fi) or ("wireless LAN") or (network near router)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 12:34
S622	40	(first or primary) near3 (mobile) near10 ((without or absence or absent or minus or nonattendance or nonappearance or absenteeism or "off") with ((router) or (Wi-Fi) or ("wireless LAN") or (network near router)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 12:35
S623	403029	((second or secondary) neae3 (first or primary)) with (wireless or wirelessly) wtth (terminal) with ((router) or (Wi-Fi) or ("wireless LAN") or (network near router)) near10 ((without or absence or absent or minus or	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2017/05/09 13:17

		nonattendance or nonappearance or absenteeism) with ((router) or (Wi-Fi) or ("wireless LAN") or (network near router)))	IBM_TDB			
S624	402852	(((second or secondary) neae3 (first or primary)) with (wireless or wirelessly) wtth (terminal) with ((router) or (Wi-Fi) or ("wireless LAN") or (network near router)) near5 ((without or absence or absent or minus or nonattendance or nonappearance or absenteeism) with ((router) or (Wi-Fi) or ("wireless LAN") or (network near router))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 13:18
S625	131627	(((second or secondary) near3 (first or primary)) with (wireless or wirelessly) wtth (terminal) with ((router) or (Wi-Fi) or ("wireless LAN") or (network near router)) near5 ((without or absence or absent or minus or nonattendance or nonappearance or absenteeism) with ((router) or (Wi-Fi) or ("wireless LAN") or (network near router))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 13:19
S626	0	(((second or secondary) near3 (first or primary)) near3 (wireless or wirelessly) with (terminal) with ((router) or (Wi-Fi) or ("wireless LAN") or (network near router)) near5 ((without or absence or absent or minus or nonattendance or nonappearance or absenteeism) with ((router) or (Wi-Fi) or ("wireless LAN") or (network near router))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 13:19
S627	0	(((second or secondary) near3 (first or primary)) with (wireless or wirelessly) with (terminal) with ((router) or (Wi-Fi) or ("wireless LAN") or (network near router)) near5 ((without or absence or absent or minus or nonattendance or nonappearance or absenteeism) with ((router) or (Wi-Fi) or ("wireless LAN") or (network near router))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 13:20
S628	1467	((without) near3 (wireless or wirelessly) near5 ((router) or (Wi-Fi) or ("wireless LAN") or ("network router")))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 13:35
S629	1194	((without) near3 (wireless or wirelessly) near3 ((router) or (Wi-Fi) or ("wireless LAN") or ("network router")))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 13:35
S630	0	((first or primary) near terminal) near2 ((without) near3 (wireless or wirelessly) near3 ((router) or (Wi-Fi) or ("wireless LAN") or ("network	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2017/05/09 13:37

		router)))	EPO; JPO; DERWENT; IBM_TDB			
S631	0	((first or primary) near terminal) near5 ((without) near3 (wireless or wirelessly) near3 ((router) or (Wi-Fi) or ("wireless LAN") or (network near3 router)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 13:37
S632	0	((first or primary) near terminal) near5 ((without or absence or absent) near3 (wireless or wirelessly) near3 ((router) or (Wi-Fi) or ("wireless LAN") or (network near3 router)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 13:38
S633	0	((first or second) near terminal) near5 ((without or absence or absent) near3 (wireless or wirelessly) near3 ((router) or (Wi-Fi) or ("wireless LAN") or (network near3 router)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 13:40
S634	41	((first or primary) near terminal) near5 (wireless or wirelessly)) and((without or absence or absent) near3 (wireless or wirelessly) near3 ((router) or (Wi-Fi) or ("wireless LAN") or (network near3 router))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 13:43
S635	41	((first or primary) near terminal) near5 (wireless or wirelessly)) and((without or absence or absent) near3 (wireless or wirelessly) near3 ((router) or (Wi-Fi) or ("wireless LAN") or (network near3 router)) and (communication or communicating or communicate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 13:44
S636	0	((first or primary) near terminal) near5 (wireless or wirelessly)) and((without or absence or absent) near3 (wireless or wirelessly) near3 ((router) or (Wi-Fi) or ("wireless LAN") or (network near3 router)) and (communication or communicating or communicate) and (bi-directional)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 13:44
S637	18	((first or primary) near terminal) near5 (wireless or wirelessly)) and((without or absence or absent) near3 (wireless or wirelessly) near3 ((router) or (Wi-Fi) or ("wireless LAN") or (network near3 router)) and (communication or communicating or communicate) and (router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 13:45
S638	31	((first or primary) near terminal) near5 (wireless or wirelessly)) and((without or absence or absent) near3 ((router) or (Wi-Fi) or ("wireless LAN") or (network near3 router)) and (communication or communicating or communicate) and (router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 13:47

S639	31	((first or primary) near terminal) near5 (wireless or wirelessly)) and((without or absence or absent) near3 ((router) or (Wi-Fi) or ("wireless LAN") or (network near3 router)) and (communication or communicating or communicate) and (router) and (wireless or wirelessly)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 13:48
S640	31	((first or primary) near terminal) near5 (wireless or wirelessly)) and((without or absence or absent) near3 ((router) or (Wi-Fi) or ("wireless LAN") or (network near3 router)) and (communication or communicating or communicate) and (router) and (wireless or wirelessly) and (without or absence or absent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 13:49
S641	18	((first or primary) near terminal) near5 (wireless or wirelessly)) and((without or absence or absent) near3 (wireless or wirelessly) near3 ((router) or (Wi-Fi) or ("wireless LAN") or (network near3 router)) and (communication or communicating or communicate) and (router) and (without or absence or absent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 13:54
S642	18	((first or primary) near terminal) near5 (wireless or wirelessly)) and((without or absence or absent) near3 (wireless or wirelessly) near3 ((router) or (Wi-Fi) or ("wireless LAN") or (network near3 router)) and (communication or communicating or communicate) and (router)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 13:55
S643	3	"20100157978" and network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 14:11
S644	0	"20100157978" and network and (different or dissimilar or unalike or unlike)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 14:16
S645	0	"20100157978" and (different or dissimilar or unalike or unlike)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 14:16
S646	5	(second or secondary) near3 (wireless or wirelessly) near3 ((terminal near device) or (television near receiver)) near5 (different) near5 (first or primary) near3 (wireless or wirelessly)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 14:27

S647	5	(first near3 second) near4 (wireless or wirelessly) near4 ((terminal) or (television near receiver)) near4 (different or dissimilar or unalike or unlike) same communication same network and router	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 14:32
S648	11	(first near3 second) near4 (wireless or wirelessly) near4 ((terminal) or (television near receiver)) near4 (different or dissimilar or unalike or unlike) same communication same network and ((router) or (Wi-Fi) or ("wireless LAN") or ("network router"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 14:33
S649	2	"20100157978" and (call or calling) and (caller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 14:44
S650	3	"20130330053"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 15:14
S651	1	("2013/0330053").URPN.	USPAT	OR	OFF	2017/05/09 15:30
S652	5	("20030021254" | "20060098174" | "20120166388" | "20130330053" | "20150222843").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/05/09 15:30
S653	2	"20130330053" and channel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 15:35
S654	3	"20130330053" and router	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 15:36
S655	2	"20100157978" and remote same television	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 16:23
S656	2	"20100157978" and remote same television same infrared	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	OFF	2017/05/09 16:23

			DERWENT; IBM_TDB			
S657	0	"20100157978" and remote same television same infrared same channel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 16:32
S658	2	"20100157978" and remote same television same infrared same channels	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 16:32
S659	0	"20100157978" and anotherchannels	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 16:37
S660	0	"20100157978" and another	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 16:37
S661	3	"20100157978" and user	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/09 16:41
S662	2	"14649895"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/07/18 14:45
S663	2	"20150304591"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/07/18 14:45
S664	11117	(H04N5/4403).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/07/18 15:02
S665	10946	(H04N5/44).CPC.	US-PGPUB; USPAT; USOCR;	OR	OFF	2017/07/18 15:02

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S666	11271	(H04N5/50).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/07/18 15:02
S667	3697	(H04N21/433).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/07/18 15:02
S668	459	(H04N2005/4442).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/07/18 15:03
S669	468	(H04N2005/4444).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/07/18 15:03
S670	1659	(H04N2005/443).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/07/18 15:03
S671	423	(H04N2005/4433).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/07/18 15:03
S672	6	(S664 AND S665 AND S666 AND S667 AND S668 AND S670 AND S671)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/07/18 15:04
S673	35152	(S664 OR S665 OR S666 OR S667 OR S668 OR S670 OR S671)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/07/18 15:05
S674	6547	S673 AND (REMOTE NEAR (CONTROL	US-PGPUB;	OR	OFF	2017/07/18

		OR CONTROLLER)) SAME (TV OR TELEVISION)	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			15:06
S675	4220	S673 AND (REMOTE NEAR (CONTROL OR CONTROLLER)) SAME (TV OR TELEVISION) SAME (DISPLAY$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/07/18 15:06
S676	2	"20150304591" AND CONTENT	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/07/18 15:08
S677	2358	S673 AND (REMOTE NEAR (CONTROL OR CONTROLLER)) SAME (TV OR TELEVISION) SAME (DISPLAY$3) SAME (CONTENT OR CHANNEL)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/07/18 15:09
S678	1601	S673 AND (REMOTE NEAR (CONTROL OR CONTROLLER)) SAME (TV OR TELEVISION) SAME (DISPLAY$3) SAME (CONTENT OR CHANNEL) SAME (USER)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/07/18 15:09
S679	454	S673 AND (REMOTE NEAR (CONTROL OR CONTROLLER)) SAME (TV OR TELEVISION) SAME (DISPLAY$3) SAME (CONTENT OR CHANNEL) SAME (USER) SAME (USER NEAR INTERFACE)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/07/18 15:10
S680	65	S673 AND (REMOTE NEAR (CONTROL OR CONTROLLER)) SAME (TV OR TELEVISION) SAME (DISPLAY$3) SAME (CONTENT OR CHANNEL) SAME (USER) SAME (USER NEAR INTERFACE) SAME (WIRELESS OR WIRELESSLY)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/07/18 15:11
S681	4	S673 AND (REMOTE NEAR (CONTROL OR CONTROLLER)) SAME (TV OR TELEVISION) SAME (DISPLAY$3) SAME (CONTENT OR CHANNEL) SAME (USER) SAME (USER NEAR INTERFACE) SAME (WIRELESS OR WIRELESSLY) SAME (VIDEO NEAR (CONTENT OR CHANNEL))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/07/18 15:12
S682	22	S673 AND (REMOTE NEAR (CONTROL OR CONTROLLER)) SAME (TV OR TELEVISION) SAME (DISPLAY$3) SAME (CONTENT OR CHANNEL) SAME (USER) SAME (USER NEAR	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	OFF	2017/07/18 15:14

		INTERFACE) SAME (WIRELESS OR WIRELESSLY) SAME (VIDEO)	DERWENT; IBM_TDB			
S686	2	"15889735"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/01/14 09:27
S687	2	"20180227532"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/01/14 09:27
S688	4	"14649895"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/01/14 09:28
S689	3	"20150304591"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/01/14 09:28
S690	6	"9924124".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/01/14 09:29
S691	2	"15889735"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/01/15 09:57
S692	2	"20180227532"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/01/15 09:58
S693	0	("2018/0227532").URPN.	USPAT	OR	OFF	2019/01/15 09:58
S694	4	"14649895"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/01/15 09:58

S695	3	"20150304591"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/01/15 09:59
S696	6	"9924124".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/01/15 10:00
S697	49	("20030043789" | "20030064709" | "20030091030" | "20050030427" | "20050235331" | "20060204229" | "20060234677" | "20060245734" | "20070127408" | "20080165906" | "20080201736" | "20080238755" | "20080240283" | "20090055540" | "20090058597" | "20090070840" | "20090129689" | "20090201855" | "20090220209" | "20100023975" | "20100031288" | "20100053441" | "20100058414" | "20100157978" | "20100235862" | "20100254670" | "20110032424" | "20110072459" | "20110085088" | "20110164188" | "20110314510" | "20120026299" | "20120054790" | "20120084653" | "20120159536" | "20120173753" | "20120223819" | "20120281141" | "20130031162" | "20130031594" | "20130312040" | "20130330053" | "20140033900" | "20140118625" | "20140229994" | "6317168" | "6476825" | "8223662" | "8749426").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/01/15 10:00
S698	0	("9924124").URPN.	USPAT	OR	OFF	2019/01/15 10:00
S699	49	("20030043789" | "20030064709" | "20030091030" | "20050030427" | "20050235331" | "20060204229" | "20060234677" | "20060245734" | "20070127408" | "20080165906" | "20080201736" | "20080238755" | "20080240283" | "20090055540" | "20090058597" | "20090070840" | "20090129689" | "20090201855" | "20090220209" | "20100023975" | "20100031288" | "20100053441" | "20100058414" | "20100157978" | "20100235862" | "20100254670" | "20110032424" | "20110072459" | "20110085088" | "20110164188" | "20110314510" | "20120026299" | "20120054790" | "20120084653" | "20120159536" | "20120173753" | "20120223819" | "20120281141" | "20130031162" | "20130031594" | "20130312040" | "20130330053" | "20140033900" | "20140118625" |	US-PGPUB; USPAT; USOCR	OR	OFF	2019/01/15 10:00

		"20140229994" | "6317168" | "6476825" | "8223662" | "8749426").PN. OR ("9924124").URPN.				
S700	13044	(H04N5/4403).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/01/15 10:01
S701	11965	(H04N5/44).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/01/15 10:01
S702	11801	(H04N5/50).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/01/15 10:01
S703	4118	(H04N21/433).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/01/15 10:01
S704	537	(H04N2005/4442).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/01/15 10:01
S705	2043	(H04N2005/443).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/01/15 10:01
S706	470	(H04N2005/4433).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/01/15 10:01
S707	39391	(S700 OR S701 OR S702 OR S703 OR S704 OR S705 OR S706)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/01/15 10:01
S708	44	S707 AND (REMOTE NEAR (CONTROL	US-PGPUB;	OR	OFF	2019/01/15

		OR CONTROLLER)) SAME (TV OR TELEVISION) SAME (DISPLAY$3) SAME (CONTENT OR CHANNEL) SAME (USER) SAME (USER NEAR INTERFACE) SAME (WIRELESS OR WIRELESSLY) SAME (VIDEO)	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			10:01

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L22	0	("display displays video content broadcast station video content delivery source").clm.	USPAT	OR	OFF	2019/03/01 17:13
L23	0	("communication executes two types bi-directional wireless communication first bi-directional wireless communication first wireless control device without going via router ").clm.	USPAT	OR	OFF	2019/03/01 17:15
L24	0	("second bi-directional wireless communication via router second wireless control device different first wireless control device ").clm.	USPAT	OR	OFF	2019/03/01 17:15
L25	0	("an infrared receiver receives infrared rays third wireless control device").clm.	USPAT	OR	OFF	2019/03/01 17:16
L26	0	("infrared receiver receives infrared rays third wireless control device").clm.	USPAT	OR	OFF	2019/03/01 17:16
L27	0	("controller controls display communication and infrared receiver").clm.	USPAT	OR	OFF	2019/03/01 17:17
L28	0	("first command changing video content display first video content selected by first wireless control device second video content transmitted second wireless control device communication unit via router during first video content displayed display unit").clm.	USPAT	OR	OFF	2019/03/01 17:18
L29	0	("display terminates displaying first video content starts display second video content communication sends first information informing termination displaying first video content first wireless control device going via router").clm.	USPAT	OR	OFF	2019/03/01 17:19
L30	0	("second command changing video content display second video content selected second wireless control device video content transmitted third wireless control device infrared receiver infrared rays during second video content displayed display unit").clm.	USPAT	OR	OFF	2019/03/01 17:21
L31	0	("display terminates displaying second video content ").clm.	USPAT	OR	OFF	2019/03/01 17:21
L32	0	("starts display another video content communication sends second information informing termination displaying the second video content via router second wireless control device").clm.	USPAT	OR	OFF	2019/03/01 17:22
S544	0	("direct communication unit executes bi-directional communication directly first wireless terminal device without going via router").clm.	USPAT	OR	OFF	2017/01/17 20:02
S545	0	("network communication unit executes bi-directional communication router second wireless terminal device different from first	USPAT	OR	OFF	2017/01/17 20:03

		wireless terminal").clm.				
S546	0	("infrared receiver unit receives infrared rays from remote controller").clm.	USPAT,SPAT	OR	OFF	2017/01/17 20:03
S547	0	("controller controls the display unit, direct communication unit, network communication unit, infrared receiver").clm.	USPAT	OR	OFF	2017/01/17 20:03
S548	0	("controller controls the display unit, direct communication unit, network communication unit, infrared receiver").clm.	USPAT	OR	OFF	2017/01/17 20:03
S549	0	("during display on the display unit first video content selected first wireless terminal device ").clm.	USPAT	OR	OFF	2017/01/17 20:03
S550	0	("if first command changing video content display unit from first video content second video content").clm.	USPAT	OR	OFF	2017/01/17 20:04
S551	0	("transmitted from first second wireless terminal device network communication unit via router").clm.	USPAT	OR	OFF	2017/01/17 20:04
S552	0	("display unit terminates displaying first content and starts display the second ").clm.	USPAT	OR R	OFF	2017/01/17 20:04
S553	0	("content and the direct communication unit sends first information for informing termination of the displaying first content directly first wireless terminal device going via router").clm.	USPAT	OR	OFF	2017/01/17 20:04
S554	0	("during display display unit second video content selected second wireless terminal device").clm.	USPAT	OR	OFF	2017/01/17 20:04
S555	0	("if second command changing video content display unit from second video content another video content").clm.	USPAT	OR	OFF	2017/01/17 20:04
S556	0	("transmitted from remote controller infrared receiver unit by infrared rays").clm.	USPAT	OR	OFF	2017/01/17 20:04
S557	0	("display unit terminates displaying second content ").clm.	USPAT	OR	OFF	2017/01/17 20:05
S558	0	("starts display video content and network communication unit sends second information informing termination the displaying second content via router to second wireless terminal ").clm.	USPAT	OR	OFF	2017/01/17 20:05
S559	0	("displaying step display video content broadcast station or video content delivery source display unit video display apparatus ").clm.	USPAT	OR	OFF	2017/01/17 20:05
S683	0	("display displays video content broadcast station or video content delivery source").clm.	USPAT	OR R	OFF	2017/07/18 15:18

3/1/2019 5:27:16 PM
C:\Users\mrahman1\Documents\EAST\Workspaces\14649895.wsp

Docket No.: 075425-0061 **PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Masayuki HIRABAYASHI	: Customer Number: 20277
Application No.: 15/889,735	: Confirmation No.: 3694
Filed: February 6, 2018	: Art Unit: 2422
For: VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS	: Examiner: Rahman, Mustafizur

RESPONSE TO NON-FINAL OFFICE ACTION UNDER 37 C.F.R. § 1.111

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

Commissioner:

In response to the Office Action dated January 25, 2019, wherein a three-month shortened statutory period for response is set to expire on April 25, 2019, Applicant respectfully requests reconsideration of the above-identified application in view of the following remarks.

Remarks begin on page 2 of this paper.

Exhibit 1002
TCL v. Maxell - IPR2025-00120
Page 161 of 621

Electronic Acknowledgement Receipt

EFS ID:	35145615
Application Number:	15889735
International Application Number:	
Confirmation Number:	3694
Title of Invention:	VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS
First Named Inventor/Applicant Name:	Masayuki HIRABAYASHI
Customer Number:	20277
Filer:	Tomoki Tanida/Lisa Grant
Filer Authorized By:	Tomoki Tanida
Attorney Docket Number:	075425-0061
Receipt Date:	14-FEB-2019
Filing Date:	06-FEB-2018
Time Stamp:	06:28:49
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		735Response.pdf	83898 dd4ec0b2035b5219ed6a498d445b068e995c7a1f	yes	3

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Applicant Arguments/Remarks Made in an Amendment	2	3
	Amendment/Req. Reconsideration-After Non-Final Reject	1	1
Warnings:			
Information:			
	Total Files Size (in bytes):	83898	

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

Introduction

Claims 1–4 are pending in this application, of which claim 1–4 are the independent claims. No claim amendment is made herein. Hence, no new matter is introduced herein.

Entry of various comments regarding the claims and/or the art, in the Office Action, should not be construed as any acquiescence or agreement by Applicant with the stated reasoning, regardless of whether or not these remarks specifically address any particular comment from the Office Action.

Reconsideration of this application for allowance of all pending claims is hereby respectfully requested in view of the amendments to the claims and following remarks.

Double Patenting

Claims 1–4 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1 and 2 of U.S. Patent No. 9,924,124. Although the Office Action on page 18 refers to U.S. Patent No. 9,838,737, a telephone discussion was conducted between the Examiner and Applicant's representative on February 12, 2019, to confirm that the Office Action inadvertently referred to the '737 patent and that the double patenting rejection is made over the '124 patent.

Without conceding the correctness of the rejection, and in order to expedite prosecution of the subject application, Applicant concurrently submits an electronic terminal disclaimer in compliance with 37 CFR 1.321(c) to obviate the aforementioned double patent rejection. Reconsideration and withdrawal of the rejection are respectfully requested.

Conclusion

In view of the above amendments and remarks, Applicant submits that this application should be allowed and the case passed to issue. If there are any questions regarding this Amendment or the application in general, a telephone call to the undersigned would be appreciated to expedite the prosecution of the application.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

MCDERMOTT WILL & EMERY LLP

/Yoshiko Ito/
Yoshiko Ito
Registration No. 70,437

500 North Capitol Street, N.W.
Washington, DC 20001
Phone: (949) 757-6359 YI:llg
Facsimile: (202) 756-8087
Date: February 14, 2019

Please recognize our Customer No. 20277 as our correspondence address.

Doc Code: DIST.E.FILE **Document Description: Electronic Terminal Disclaimer - Filed**	PTO/SB/26 U.S. Patent and Trademark Office Department of Commerce

Electronic Petition Request	**TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT**
Application Number	15889735
Filing Date	06-Feb-2018
First Named Inventor	Masayuki HIRABAYASHI
Attorney Docket Number	075425-0061
Title of Invention	VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS

☒ Filing of terminal disclaimer does not obviate requirement for response under 37 CFR 1.111 to outstanding Office Action

☒ This electronic Terminal Disclaimer is not being used for a Joint Research Agreement.

Owner	Percent Interest
Hitachi Maxell, Ltd.	100%

The owner(s) with percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent number(s)

9924124

as the term of said prior patent is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the prior patent, "as the term of said prior patent is presently shortened by any terminal disclaimer," in the event that said prior patent later:
- expires for failure to pay a maintenance fee;
- is held unenforceable;
- is found invalid by a court of competent jurisdiction;
- is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321;
- has all claims canceled by a reexamination certificate;
- is reissued; or
- is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

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

○	I certify, in accordance with 37 CFR 1.4(d)(4), that the terminal disclaimer fee under 37 CFR 1.20(d) required for this terminal disclaimer has already been paid in the above-identified application.

Applicant claims the following fee status:

○ Small Entity

○ Micro Entity

◉ Regular Undiscounted

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES

I certify, in accordance with 37 CFR 1.4(d)(4) that I am:

◉ An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application

Registration Number 70437

○ A sole inventor

○ A joint inventor; I certify that I am authorized to sign this submission on behalf of all of the inventors as evidenced by the power of attorney in the application

○ A joint inventor; all of whom are signing this request

Signature	/Yoshiko Ito/
Name	Yoshiko Ito

*Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner).
Form PTO/SB/96 may be used for making this certification. See MPEP § 324.

Electronic Patent Application Fee Transmittal

Application Number:	15889735
Filing Date:	06-Feb-2018
Title of Invention:	VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS
First Named Inventor/Applicant Name:	Masayuki HIRABAYASHI
Filer:	Tomoki Tanida/Lisa Grant
Attorney Docket Number:	075425-0061

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
STATUTORY OR TERMINAL DISCLAIMER	1814	1	160	160
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**160**

Doc Code: DISQ.E.FILE
Document Description: Electronic Terminal Disclaimer – Approved

Application No.: 15889735

Filing Date: 06-Feb-2018

Applicant/Patent under Reexamination: HIRABAYASHI

Electronic Terminal Disclaimer filed on February 14, 2019

☒ APPROVED

This patent is subject to a terminal disclaimer

☐ DISAPPROVED

Approved/Disapproved by: Electronic Terminal Disclaimer automatically approved by EFS-Web

U.S. Patent and Trademark Office

Electronic Acknowledgement Receipt

EFS ID:	35145612
Application Number:	15889735
International Application Number:	
Confirmation Number:	3694
Title of Invention:	VIDEO DISPLAY APPARATUS AND TERMINAL APPARATUS
First Named Inventor/Applicant Name:	Masayuki HIRABAYASHI
Customer Number:	20277
Filer:	Tomoki Tanida/Lisa Grant
Filer Authorized By:	Tomoki Tanida
Attorney Docket Number:	075425-0061
Receipt Date:	14-FEB-2019
Filing Date:	06-FEB-2018
Time Stamp:	06:18:38
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$160
RAM confirmation Number	021419INTEFSW00010974500417
Deposit Account	500417
Authorized User	Lisa Grant

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

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	Terminal Disclaimer-Filed (Electronic)	eTerminal-Disclaimer.pdf	33413 e304c83a521c893ab87f94d19d2e7182e5692c6f	no	2
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30556 858db42cf121410de0dda23f2f22cdff2d6acc60	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	63969		

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.

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	15889735
Filing Date	2018-02-06
First Named Inventor	Masayuki HIRABAYASHI
Art Unit	2484
Examiner Name	H. Shibru
Attorney Docket Number	075425-0061

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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	2000-125223	JP	A	2000-04-28	Sanyo Electric Co.	With English Abstract	
	2	2001-333346	JP	A	2001-11-30	Matsushita Electric Ind Co., Ltd.	With English Abstract	
	3	2006-086931	JP	A	2006-03-30	Sharp KK	With English Abstract	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	15889735
	Filing Date	2018-02-06
	First Named Inventor	Masayuki HIRABAYASHI
	Art Unit	2484
	Examiner Name	H Shibru
	Attorney Docket Number	075425-0061

	4	11-196345	JP	A	1999-07-21	Kujirada, Masanobu	With English Abstract	

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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]
	1	Japanese Office Action issued in corresponding Japanese Patent Application No. 2017-137105, dated July 10, 2018, with English Translation.	X

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EXAMINER SIGNATURE

Examiner Signature		Date Considered	

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

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	15889735
Filing Date	2018-02-06
First Named Inventor	Masayuki HIRABAYASHI
Art Unit	2484
Examiner Name	H. Shibru
Attorney Docket Number	075425-0061

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	/Tomoki Tanida/	Date (YYYY-MM-DD)	2019-02-08
Name/Print	Tomoki Tanida	Registration Number	60,453

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.

Espacenet

Bibliographic data: JP2000125223 (A) — 2000-04-28

TELEVISION RECEIVER

Inventor(s): YAMAGA HIROSHI ± (YAMAGA HIROSHI)

Applicant(s): SANYO ELECTRIC CO ± (SANYO ELECTRIC CO LTD)

Classification: - **international:*H04N5/46; H04N5/60;*** (IPC1-7): H04N5/46; H04N5/60
- **cooperative:**

Application number: JP19980290673 19981013

Priority number(s): JP19980290673 19981013

Abstract of JP2000125223 (A)

PROBLEM TO BE SOLVED: To provide a television receiver by which the user can easily recognize program contents of other channels. SOLUTION: A video signal and an audio signal corresponding to a bilingual broadcast are respectively outputted through a picture tube 46 and a speaker 38 while viewing the bilingual broadcast. When a commercial(CM) is broadcast during viewing, a microcomputer 26 discriminates a stereo signal based on an output signal from an audio multiplexer circuit 28. In this case, switches SW1, SW2 are respectively thrown to positions of terminals 52b, 54b according to an instruction of the microcomputer 26. Thus, output signals from video signal processing circuits 42, 44 are outputted through the picture tube 46 (2-screen output) via horizontal interleave circuits 48, 56. That is, a video signal of the CM is outputted on a major screen of the picture tube 46 and programs of other channels received by a tuner 18 are selected, e.g. every one second and outputted on the sub screen. When the CM is finished, a bilingual broadcast is outputted again on one screen.

(19)日本国特許庁（ＪＰ）　(12)公開特許公報（Ａ）　(11)特許出願公開番号
特開2000－125223
（P2000－125223A）
(43)公開日　平成12年４月28日(2000.4.28)

(51)Int.Cl.'	識別記号	ＦＩ		テーマコード'（参考）
Ｈ０４Ｎ　5/46		Ｈ０４Ｎ　5/46		５Ｃ０２５
5/60		5/60	Ｚ	５Ｃ０２６
	１０２		１０２Ｚ	

審査請求　未請求　請求項の数６　ＯＬ　（全６頁）

(21)出願番号　特願平10－290673

(22)出願日　平成10年10月13日(1998.10.13)

(71)出願人　000001889
三洋電機株式会社
大阪府守口市京阪本通２丁目５番５号
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大阪府守口市京阪本通２丁目５番５号　三洋電機株式会社内
(74)代理人　100090181
弁理士　山田　義人

Ｆターム(参考)　5C025 AA28 AA29 CA06 CB02
5C026 DA11 DA14

(54)【発明の名称】　テレビジョン受像機

(57)【要約】
【構成】　二カ国語放送（バイリンガル）の視聴中では、二カ国語放送に対応する映像信号および音声信号がそれぞれ受像管４６およびスピーカ３８から出力される。視聴中にコマーシャル（ＣＭ）になると、音声多重回路２８の出力信号に基づいてマイコン２６ではステレオと判別する。このとき、マイコン２６の指示に従ってスイッチＳＷ１およびＳＷ２はそれぞれ端子５２ｂおよび５４ｂ側に切り換えられる。したがって、映像信号処理回路４２および４４の出力信号は水平間引き回路４８および５０を介して受像管４６から出力（２画面出力）される。つまり、受像管４６の主画面にはＣＭの映像信号が出力され、副画面にはチューナ１８で受信される他チャネルの番組がたとえば１秒毎に切り換えて出力される。ＣＭが終了すると、再び１画面出力で二カ国語放送が出力される。
【効果】　容易に他チャネルの番組内容を知ることができる。

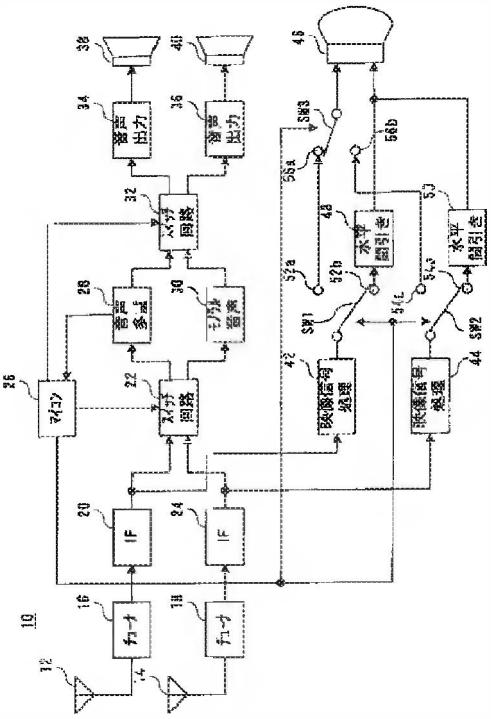


Exhibit 1002
TCL v. Maxell - IPR2025-00120
Page 178 of 621

【特許請求の範囲】
【請求項１】特定のテレビジョン信号を含む複数のテレビジョン信号を受信する受信手段、
前記特定のテレビジョン信号がもつ音声信号の属性を判別する判別手段、および前記判別手段の判別結果に応じて前記特定のテレビジョン信号に対応する特定の映像および前記複数のテレビジョン信号に対応する複数の映像の一方を出力する映像出力手段を備える、テレビジョン受像機。
【請求項２】前記受信手段は前記特定のテレビジョン信号を受信する第１受信手段、および前記特定のテレビジョン信号以外のいずれか１つの信号を受信する第２受信手段を含む、請求項１記載のテレビジョン受像機。
【請求項３】前記映像出力手段が前記複数の映像を出力するとき、前記第２受信手段の受信周波数を所定期間毎に切り換える周波数切換手段をさらに備える、請求項２記載のテレビジョン受像機。
【請求項４】前記第２受信手段は予め選択したテレビジョン信号を受信し、前記映像出力手段は前記判別結果に応じて前記特定の映像および前記選択したテレビジョン信号に対応する映像の一方を出力する、請求項３記載のテレビジョン受像機。
【請求項５】前記複数のテレビジョン信号に対応する複数の音声のいずれか１つを出力する音声出力手段、および前記複数の映像を出力するとき前記音声出力手段から出力する音声をオペレータの指示に応じて切り換える音声切換手段をさらに備える、請求項１ないし４のいずれかに記載のテレビジョン受像機。
【請求項６】前記属性がステレオのとき、前記映像出力手段は前記複数の映像を出力する、請求項５記載のテレビジョン受像機。
【発明の詳細な説明】
【０００１】
【産業上の利用分野】この発明はテレビジョン受像機に関し、特にたとえば特定のテレビジョン信号または／および特定のテレビジョン信号以外の複数のテレビジョン信号を同時または連続的に出力する、テレビジョン受像機に関する。
【０００２】
【従来の技術】従来のこの種のテレビジョン受像機では、２画面出力する場合には、主画面の音声信号は音声多重回路で復調され、スピーカから出力される。一方、副画面の音声信号は、モノラル音声回路で復調され、ヘッドホンから出力される。
【０００３】
【発明が解決しようとする課題】この従来技術では、主画面がコマーシャルの時に他チャネルの番組内容を知るには、リモコン等を操作する必要があり、操作が煩わしかった。それゆえに、この発明の主たる目的は、容易に他チャネルの番組内容を知ることができる、テレビジョン受像機を提供することである。
【０００４】
【課題を解決するための手段】この発明は、特定のテレビジョン信号を含む複数のテレビジョン信号を受信する受信手段、特定のテレビジョン信号がもつ音声信号の属性を判別する判別手段、および判別手段の判別結果に応じて特定のテレビジョン信号に対応する特定の映像および複数のテレビジョン信号に対応する複数の映像の一方を出力する映像出力手段を備える、テレビジョン受像機である。
【０００５】
【作用】テレビジョン受像機の第１受信手段では、特定のテレビジョン信号たとえば二カ国語放送が受信され、二カ国語放送を受信中にコマーシャルになると、つまり音声信号の属性がバイリンガルからステレオに変わったと判別手段が判別すると、第２受信手段で受信される複数のテレビジョン信号に対応する複数の映像が出力される。つまり、第２受信手段では第１受信手段で受信中の二カ国語放送以外のチャネルのテレビジョン信号が周波数切換手段によって所定期間毎に切り換えられ、それぞれのテレビジョン信号に対応する映像が順次出力される（マルチスキャン）。このとき、二カ国語放送の間のコマーシャルの映像信号に対応する音声信号がスピーカから出力され、音声切換手段で音声信号を切り換えると、マルチスキャンの映像信号に対応する音声信号が出力される。そして、コマーシャル終了後に再び二カ国語放送が出力される。また、第２受信手段で受信する放送局を予め選択しておけば、コマーシャル中にその選択した放送局を視聴することもできる。
【０００６】
【発明の効果】この発明によれば、音声信号の属性によりコマーシャルを検出し、コマーシャルのときには他の受信手段で受信される他チャネルの番組を表示するので、容易に他チャネルの番組内容を知ることができる。この発明の上述の目的，その他の目的，特徴および利点は、図面を参照して行う以下の実施例の詳細な説明から一層明らかとなろう。
【０００７】
【実施例】図１を参照して、この実施例のテレビジョン受像機１０はアンテナ１２および１４を含み、アンテナ１２および１４のそれぞれにはチューナ１６および１８が接続される。チューナ１６から出力された高周波信号は中間周波増幅（ＩＦ）回路２０に与えられ、ＩＦ回路２０からの中間周波信号はスイッチ回路２２に与えられる。また、チューナ１８から出力された高周波信号はＩＦ回路２４に与えられ、ＩＦ回路２４からの中間周波信号はスイッチ回路２２に与えられる。スイッチ回路２２は、マイコン２６からの指示に従ってＩＦ回路２０からの中間周波数信号を音声多重回路２８またはモノラル音声回路３０に出力する。また、スイッチ回路２２は、マ

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イコン２６の指示に従ってＩＦ回路２４からの中間周波数信号を音声多重回路２８またはモノラル音声回路３０に出力する。

【０００８】音声多重回路２８の出力信号（ステレオ信号）およびモノラル音声回路３０の出力信号（モノラル信号）は、スイッチ回路３２に与えられる。スイッチ回路３２は、マイコン２６からの指示に従って音声多重回路２８の出力信号を音声出力回路３４または３６へ出力する。また、スイッチ回路３２は、マイコン２６の指示に従ってモノラル音声回路３０からの出力信号を音声出力３４または３６へ出力する。そして、音声出力回路３４の出力信号はスピーカ３８を介して出力され、音声出力回路３６の出力信号はヘッドホン４０を介して出力される。

【０００９】また、ＩＦ回路２０からの中間周波信号は映像信号処理回路４２に与えられ、ＩＦ回路２４からの中間周波信号は映像信号処理回路４４に与えられる．映像信号処理回路４２では、周知の検波および増幅などの処理が施され、スイッチＳＷ１およびＳＷ３を介して受像管４６から映像が出力される．また、映像信号処理回路４４では上述と同様の処理が施され、スイッチＳＷ２およびＳＷ３を介して受像管４６から映像が出力される。スイッチＳＷ１ないしＳＷ３はマイコン２６からの指示に従って切り換えられ、受像管４６から出力される映像が１画面の場合には、スイッチＳＷ３を切り換えることによってチューナ１６または１８で選局された放送局の映像を視聴することができる．また、受像管４６から出力される映像が２画面の場合には、スイッチＳＷ１およびＳＷ２はそれぞれ端子５２ｂおよび５４ｂ側に切り換えられ、映像信号処理回路４２からの出力信号は水平間引き回路４８を介して受像管４６に与えられ、映像信号処理回路４４からの出力信号は水平間引き回路５０を介して受像管４６に与えられる。

【００１０】たとえば、音声信号が二カ国語信号（バイリンガル）である放送を１画面出力で視聴している場合には、放送信号はアンテナ１２を介してチューナ１６に与えられ、チューナ１６からの高周波信号はＩＦ回路２０に与えられる．ＩＦ回路２０からの中間周波信号はスイッチ回路２２を介して音声多重回路２８に与えられるとともに、映像信号処理回路４２に与えられる。音声多重回路２８では中間周波信号に対して所定の処理を施し、音声多重回路２８からの出力信号はスイッチ回路３２を介して音声出力回路３４に与えられる。音声出力回路３４の出力信号（バイリンガル）はスピーカ３８から出力される．また、映像信号処理回路４２では、上述のように周知の処理が施され、スイッチＳＷ１およびＳＷ３を介して受像管４６から映像が出力される。つまり、マイコン２６の指示に従って、スイッチ回路２２ではＩＦ回路２０の出力信号が音声多重回路２８に出力される。また、スイッチ回路３２では音声多重回路２８の出力信号が音声出力回路３４に与えられる。スイッチＳＷ１は端子５２ａ側に接続され、スイッチＳＷ３は端子５６ａ側に接続される。このとき、音声多重回路２８からの信号に基づいてマイコン２６は現在出力中の音声信号がバイリンガルであると判別している。

【００１１】ここで、二カ国語放送を視聴中にコマーシャル（ＣＭ）になると、つまり音声信号がバイリンガルからステレオになると、音声多重回路２８の出力信号がステレオであるとマイコン２６は判別する。つまり、二カ国語放送中にＣＭになると、２画面出力となり、主画面にはＣＭの映像信号が出力され、副場面にはチューナ１８で選局される他チャネルの放送がたとえば１秒毎に順次切り換えられる（マルチスキャン）。このとき、チューナ１８からの高周波信号はＩＦ回路２４に与えられ、ＩＦ回路２４からの中間周波信号はスイッチ回路２２を介してモノラル音声回路３０に与えられ、モノラル音声回路３０からの出力信号はスイッチ回路３２を介して音声出力回路３６に与えられる。つまり、音声出力回路３６の出力信号はヘッドホン４０から出力される。通常、ヘッドホン４０はテレビジョン受像機１０に接続されていないため、マルチスキャン（副画面）の映像に対応する音声信号は視聴者には聞こえない。

【００１２】また、マイコン２６では、音声多重回路２８からの出力信号に基づいて出力する音声信号がステレオであると判断すると、スイッチＳＷ１を端子５２ｂに切り換え、スイッチＳＷ２を端子５４ｂに切り換える。したがって、映像信号処理回路４２からの出力信号は水平間引き回路４８で水平方向に１画素おきに間引かれ、受像管４６に出力される．また、ＩＦ回路２４からの中間周波信号は映像信号処理回路４４に与えられ、映像信号処理回路４４からの出力信号はスイッチＳＷ２を介して水平間引き回路５０に与えられる。水平間引き回路５０では、映像信号処理回路４４からの出力信号が水平方向に１画素おきに間引かれ、受像管４６に出力される．したがって、たとえば図２に示すように主画面および副画面を形成する場合、主画面にＣＭの映像信号が出力され、副画面にマルチスキャンの映像信号が出力される．このとき、ＣＭに対応する音声信号がスピーカ３８から出力される．リモコン送信機（図示せず）またはテレビジョン受像機１０本体に設けられた操作パネル（図示せず）によって音声切換を指示すると、マイコン２６からの指示に従ってスイッチ回路３２は切り換えられる。このため、モノラル音声回路３０からの出力信号が音声出力回路３４に与えられ、音声多重回路２８からの出力信号が音声出力回路３６に与えられる．したがって、音声を切り換えることによって、マルチスキャンの映像信号に対応する音声信号をスピーカ３８から出力することができる。ここで、ＣＭが終了し、二カ国語放送が再び出力されると、音声多重回路２８からの信号によって音声信号がバイリンガルであるとをマイコン２６は判別す

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る。したがって、マイコン２６はスイッチＳＷ１を端子５２ａ側に切り換える。つまり、受像管４６からは二カ国語放送の映像信号が出力される。

【００１３】上述のような動作を、マイコン２６は図３に示すフロー図に従って処理する。テレビジョン受像機１０本体の電源がオンされると処理を開始し、ステップＳ１でＣＭかどうかを判断する。ここで、“ＮＯ”であれば、ステップＳ１に戻るが、“ＹＥＳ”であれば、ステップＳ３で２画面出力する。続いて、ステップＳ５でＣＭの音声信号をスピーカ３８から出力し、ステップＳ７で副画面をマルチスキャンする。ステップＳ９では、ＣＭが終了したかどうかを判断し、“ＹＥＳ”であれば、ステップＳ１１で二カ国語放送を１画面出力し、ステップＳ１に戻るが、“ＮＯ”であれば、ステップＳ１３で音声切換の指示があるかどうかを判断する。ここで、“ＮＯ”であれば、ステップＳ７に戻るが、“ＹＥＳ”であれば、ステップＳ１５で音声信号を切り換え、つまりスイッチ回路３２を切り換え、ステップＳ７に戻る。

【００１４】図４に示す、他の実施例のテレビジョン受像機１０は、図１実施例のテレビジョン受像機１０においてスイッチ回路３２を取り除いた以外は同じであるため、重複した説明は省略する。このテレビジョン受像機１０では、ＣＭ中に２画面出力している場合には、ＣＭに対応する音声信号はスピーカ３８から出力され、マルチスキャンに対応する音声信号はヘッドホン４０から出力される。つまり、２画面出力中では、主画面のＣＭの映像およびＣＭに対応する音声がスピーカ３８から出力され、副画面のマルチスキャンでは映像のみを見ることができる。

【００１５】上述のような動作を、マイコン２６は図５に示すフロー図に従って処理し、図３に示すフロー図のステップＳ１１およびＳ１３の処理がなく、ステップＳ９で“ＮＯ”の場合にはステップＳ７に戻る。つまり、音声信号を切り換えることはない。その他の実施例のテレビジョン受像機１０は図６で示され、図４に示すテレビジョン受像機１０においてモノラル音声回路３０を音声多重回路６０に置き換え、音声多重回路６０からマイコン２６への出力信号線を加えた以外は同じであるため、重複した説明は省略する。このテレビジョン受像機１０では、チューナ１６では二カ国語放送を受信し、チューナ１８ではたとえばプロ野球中継を受信しているとする。つまり、二カ国語放送を視聴中にＣＭになると、ＣＭおよびプロ野球中継が２画面出力され、マイコン２６の指示に従ってスイッチ回路２２ではＩＦ回路２４の出力信号が音声多重回路２８に与えられ、ＩＦ回路２０の出力信号がスイッチ回路２２を介して音声多重回路６０に与えられる。つまり、二カ国語放送がＣＭになると、プロ野球中継に対応する音声信号がスピーカ３８から出力される。また、２画面出力中にリモコン送信機または操作パネルによって音声信号切換の指示が与えられると、スイッチ回路２２を切り換えることによってＣＭの音声信号をスピーカ３８から出力することができる。

【００１６】上述のような動作を、マイコン２６は図３に示すフロー図に従って処理し、この場合にはステップＳ５ではプロ野球中継の音声信号が出力され、ステップＳ７では副画面にプロ野球中継の映像信号が出力される。これらの実施例によれば、ＣＭ（バイリンガル）と判別すると、他のチューナ１８で受信されているテレビジョン信号を画面表示するので、簡単に他チャネルの番組内容を知ることができる。また、他のチューナ１８で受信されるテレビジョン信号に対応する音声信号を出力する場合には、より詳しく番組内容を知ることができる。

【００１７】なお、これらの実施例では、ＣＭ中では２画面出力するようにしたが、他のチューナ１８で受信されるテレビジョン信号に対応する映像を受像管４６から出力するようにしてもよい。また、ＣＭ中では他のチューナ１８の映像をマルチスキャンするようにしたが、多画面に分割して表示するようにしてもよい。

【図面の簡単な説明】

【図１】この発明の一実施例を示す図解図である。

【図２】図１実施例に示す受像管に表示される２画面表示の図解図である。

【図３】図１実施例に示すマイコンの処理の一部を示すフロー図である。

【図４】この発明の他の実施例を示す図解図である。

【図５】図４実施例に示すマイコンの処理の一部を示すフロー図である。

【図６】この発明のその他の実施例を示す図解図である。

【符号の説明】

１０　…テレビジョン受像機

２２，３２　…スイッチ回路

２６　…マイコン

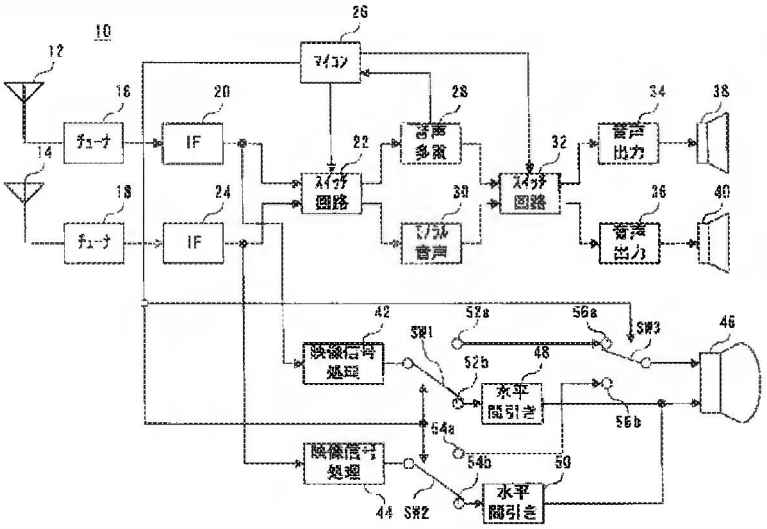
２８，６０　…音声多重回路

３０　…モノラル音声回路

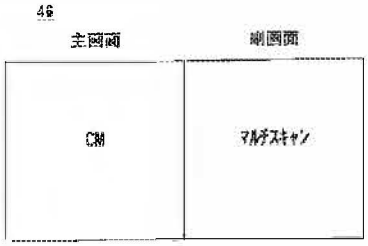
４８，５０　…水平偏引き回路

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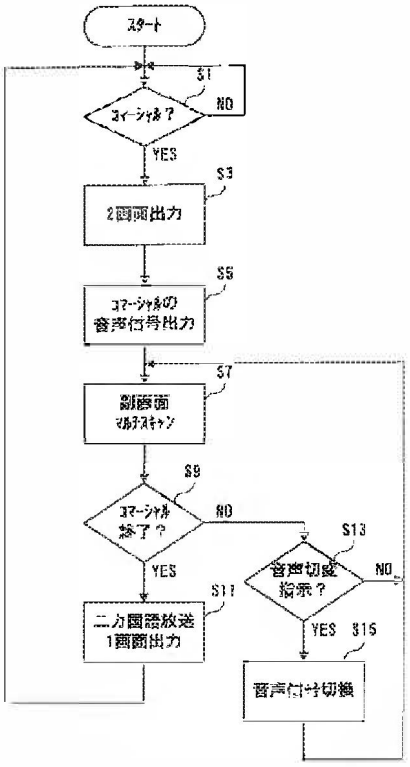
【図1】


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52a
52b
54a
54b
56a
56b
SW1
SW2
SW3
マイコン
チューナ
IF
スイッチ回路
音声多重
L/R音声
音声出力
映像信号処理
水平間引き

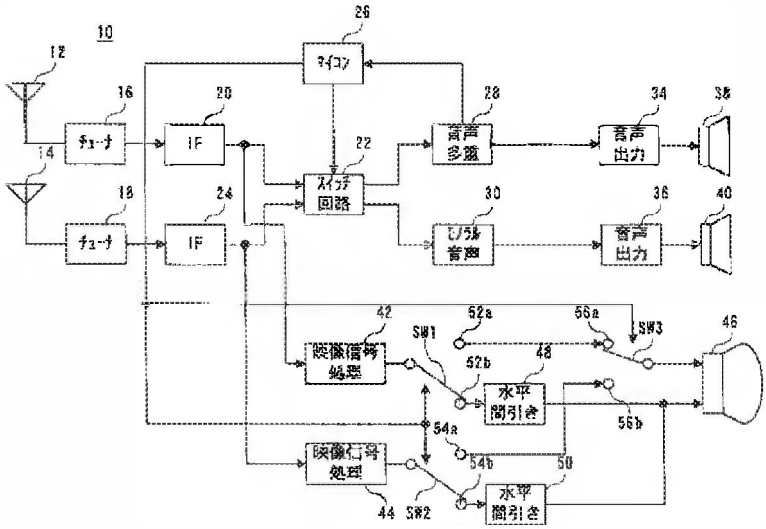
【図2】


46
主画面
副画面
CM
マルチスキャン

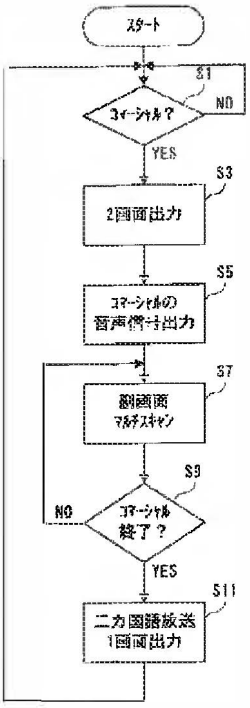
【図3】


スタート
S1
コマーシャル？
NO
YES
S3
2画面出力
S5
コマーシャルの音声信号出力
S7
副画面マルチスキャン
S9
コマーシャル終了？
NO
YES
S11
二カ国語放送1画面出力
S13
音声切替指示？
NO
YES
S15
音声信号切換

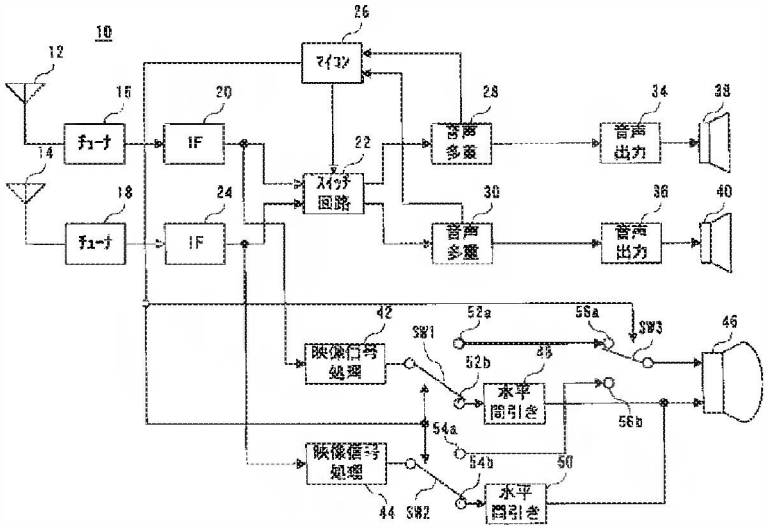
【図4】


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52b
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54b
56a
56b
SW1
SW2
SW3
マイコン
チューナ
IF
スイッチ回路
音声多重
L/R音声
音声出力
映像信号処理
水平間引き

【図5】


スタート
S1
コマーシャル？
NO
YES
S3
2画面出力
S5
コマーシャルの音声信号出力
S7
副画面マルチスキャン
S9
コマーシャル終了？
NO
YES
S11
二カ国語放送1画面出力

【図6】


10
12
14
16
チューナ
18
チューナ
20
IF
22
スイッチ回路
24
IF
26
マイコン
28
音声多重
30
音声多重
34
音声出力
36
音声出力
38
40
42
映像信号処理
44
映像信号処理
46
50
52a
52b
54a
54b
56a
56b
SW1
SW2
SW3
水平間引き
水平間引き

Espacenet

Bibliographic data: JP2001333346 (A) — 2001-11-30

MULTI-SCREEN DISPLAY DEVICE, MEDIUM AND INFORMATION AGGREGATE

Inventor(s): ODA AKIHIRO ± (ODA AKIHIRO)

Applicant(s): MATSUSHITA ELECTRIC IND CO LTD ± (MATSUSHITA ELECTRIC IND CO LTD)

Classification: - **international:** ***H04N5/265; H04N5/44; H04N5/45;***
(IPC1-7): H04N5/265; H04N5/44; H04N5/45
- **cooperative:**

Application number: JP20000150523 20000522

Priority number (s): JP20000150523 20000522

Abstract of JP2001333346 (A)

PROBLEM TO BE SOLVED: To solve the problem of a viewer not being able to satisfactorily check the channels other than his/her watching one when the viewer checks other channels while the watching channel is interrupted by a commercial message, etc., or the viewer being overlooking partly his/her watching program when the commercial message is over during the channel checking with the conventional image receiver. SOLUTION: This multi-screen display device 100 is provided at least with an appreciation screen generation means 103 which generates an appreciation screen where a single or plural channels are gathered together into a single or plural screens, a reference screen generation means 104 which generates a reference screen where the hole or some of plural rear channels are gathered together into plural screens, a display control means 105 which displays the appreciation screen and/or reference screen and a 1st contents change detection means 102 which detects the first change showing the change from the contents displayed on the appreciation screen to the 2nd contents which are previously set when the former contents are changed to the latter 2nd contents.