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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/472,023	09/10/2021	Nick Swerdlow	ZOOM-164-A	2927

177453 7590 11/21/2023

Zoom Video Communications, Inc. at Young Basile
3001 West Big Beaver Rd., Ste. 624
Troy, MI 48084

EXAMINER	
NAOREEN, NAZIA	

ART UNIT	PAPER NUMBER
2458	

NOTIFICATION DATE	DELIVERY MODE
11/21/2023	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):

docketing@youngbasile.com

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 1 of 432

UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO.	ISSUE DATE	PATENT NO.
17/472,023	21-Nov-2023	11824671

Zoom Video Communications, Inc. at Young Basile
3001 West Big Beaver Rd., Ste. 624
Troy, MI 48084

EGRANT NOTIFICATION

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

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

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 2 of 432

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/472,023	11/21/2023	11824671	ZOOM-164-A	2927

177453 7590 11/01/2023

Zoom Video Communications, Inc. at Young Basile
3001 West Big Beaver Rd., Ste. 624
Troy, MI 48084

ISSUE NOTIFICATION

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

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

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

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

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

Applicant will be able to obtain more detailed information by accessing the Patent Center (https://patentcenter.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Patents Stakeholder Experience (OPSE), Stakeholder Support Division (SSD) at (571)-272-4200.

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

Nick Swerdlow, Santa Clara, CA;

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

Zoom Video Communications, Inc., San Jose, CA;

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.

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 4 of 432

PART B–FEE(S) TRANSMITTAL

Complete and send this form, together with the 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, VA 22313-1450

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

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. **Becanse electronic patent issnance may occnr shortly after issne fee payment, any desired continning application shonld preferably be filed prior to payment of this issne fee in order not to jeopardize copendency.**

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

YOUNG BASILE HANLON & MACFARLANE, P.C.
3001 West Big Beaver Rd.
Suite 624
Troy, Michigan 48084

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

Certificate of Mailing or Transmission

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

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

APPLICATION NO	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO	CONFIRMATION NO
17/472,023	09/10/2021	Nick Swerdlow	ZOOM-164-A	2927

TITLE OF INVENTION: Previewing Conference Participants Prior To Joining A Conference

APPLN: TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1,200.00			$1,200.00	10/13/2023

EXAMINER	ART UNIT	CLASS-SUBCLASS
N. Naoreen	2458	709-204

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

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

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

2. For printing on the patent front page, list

(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1. Young Basile Hanlon & MacFarlane, P.C.
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: Zoom Video Communications, Inc.

(B) RESIDENCE: (CITY and STATE or COUNTRY): San Jose, California

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

4a. Fees Submitted: ☒ Issue Fee ☐ Publication Fee (if required)

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

☒ Electronic Payment via Patent Center or 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. 25-0115

5. Change of Entity Status (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29. 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.

☐ Applicant asserting small entity status. See 37 CFR 1.27. NOTE: If the application was previously under micro entity status, checking this box will be taken as a notification of loss of entitlement to micro entity status.

☐ Applicant changing to regular undiscounted fee status. NOTE: Checking this box will be taken as a notification of loss of entitlement to small or micro entity status, as applicable.

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

Authorized Signature /Neil C. Maskeri/ Date October 13, 2023

Typed or printed name Neil C. Maskeri Registration No. 61,591

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 5 of 432

Electronic Patent Application Fee Transmittal

Application Number:	17472023
Filing Date:	10-Sep-2021
Title of Invention:	Previewing Conference Participants Prior To Joining A Conference
First Named Inventor/Applicant Name:	Nick Swerdlow
Filer:	Neil C. Maskeri/Jessica Tumblin
Attorney Docket Number:	ZOOM-164-A

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	1200	1200

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**1200**

Electronic Acknowledgement Receipt

EFS ID:	48715928
Application Number:	17472023
International Application Number:	
Confirmation Number:	2927
Title of Invention:	Previewing Conference Participants Prior To Joining A Conference
First Named Inventor/Applicant Name:	Nick Swerdlow
Customer Number:	177453
Filer:	Neil C. Maskeri/Jessica Tumblin
Filer Authorized By:	Neil C. Maskeri
Attorney Docket Number:	ZOOM-164-A
Receipt Date:	13-OCT-2023
Filing Date:	10-SEP-2021
Time Stamp:	11:48:44
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$1200
RAM confirmation Number	E20230CB49115042
Deposit Account	250115
Authorized User	Jessica Tumblin

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	93500 f0340067aa378531310219ccbc1c7476d8845851	no	1
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	37839 cf6e9e7c37184d95946f2d3cefaff8bd1e00513c	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	131339		

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

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www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

177453 7590 07/13/2023

Zoom Video Communications, Inc. at Young Basile
3001 West Big Beaver Rd., Ste. 624
Troy, MI 48084

EXAMINER	
NAOREEN, NAZIA	
ART UNIT	PAPER NUMBER
2458	

DATE MAILED: 07/13/2023

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/472,023	09/10/2021	Nick Swerdlow	ZOOM-164-A	2927

TITLE OF INVENTION: Previewing Conference Participants Prior To Joining A Conference

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	10/13/2023

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

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

HOW TO REPLY TO THIS NOTICE:

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

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

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

For purposes of this notice, small entity fees are 40% the amount of undiscounted fees, and micro entity fees are 20% the amount of undiscounted fees.

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

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

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

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 10 of 432

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 will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. **Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.**

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

177453 7590 07/13/2023

Zoom Video Communications, Inc. at Young Basile
3001 West Big Beaver Rd., Ste. 624
Troy, MI 48084

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

Certificate of Mailing or Transmission

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

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/472,023	09/10/2021	Nick Swerdlow	ZOOM-164-A	2927

TITLE OF INVENTION: Previewing Conference Participants Prior To Joining A Conference

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	10/13/2023

EXAMINER	ART UNIT	CLASS-SUBCLASS
NAOREEN, NAZIA	2458	709-204000

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

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

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

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

1 _____
2 _____
3 _____

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

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

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

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

4a. Fees submitted: ❑ Issue Fee ❑ Publication Fee (if required)

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

❑ Electronic Payment via Patent Center or 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

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.

❑ Applicant asserting small entity status. See 37 CFR 1.27

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.

❑ Applicant changing to regular undiscounted fee 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. _____

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 11 of 432

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/472,023	09/10/2021	Nick Swerdlow	ZOOM-164-A	2927

177453 7590 07/13/2023

Zoom Video Communications, Inc. at Young Basile
3001 West Big Beaver Rd., Ste. 624
Troy, MI 48084

EXAMINER	
NAOREEN, NAZIA	
ART UNIT	PAPER NUMBER
2458	

DATE MAILED: 07/13/2023

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.

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 12 of 432

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.

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Notice of Allowability	Application No. 17/472,023	Applicant(s) Swerdlow, Nick	
	Examiner NAZIA NAOREEN	Art Unit 2458	AIA (FITF) Status Yes

-- 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 06/15/2023.
   ☐ 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 1-20 . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see **http://www.uspto.gov/patents/init_events/pph/index.jsp** or send an inquiry to **PPHfeedback@uspto.gov.**

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

   Certified copies:

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

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

   * Certified copies not received: _____ .

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

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

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

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

Attachment(s)

1. ☑ Notice of References Cited (PTO-892)
2. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 06/15/2023.
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 _____.

/NAZIA NAOREEN/
Examiner, Art Unit 2458

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DETAILED ACTION

Status of Claims:

1. Claims 1 – 20 are allowed over prior art of record.

Notice of Pre-AIA or AIA Status

2. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Information Disclosure Statement

3. The information disclosure statement (IDS) was submitted on 06/15/2023. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Allowable Subject Matter

4. Claims 1 – 20 are allowed.

Reasons for Allowance

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

Examiner performed updated search and additional search does not yield other specific references that reasonably, either singularly or in combination with cited references, would result a proper rejection that would have anticipated or made obvious all the steps disclosed in the claims with proper motivation at or before the time it was effectively filed.

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 NAZIA NAOREEN whose telephone number is (571)270-7282. The examiner can normally be reached M-F: 9:00 - 6:00.

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, Kevin Bates can be reached on 571-272-3980. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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

/NAZIA NAOREEN/
Examiner, Art Unit 2458

Notice of References Cited	Application/Control No. 17/472,023	Applicant(s)/Patent Under Reexamination Swerdlow, Nick	
	Examiner NAZIA NAOREEN	Art Unit 2458	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-10320856-B2	06-2019	Rosenberg; Jonathan	H04L67/141	1/1
*	B	US-10592867-B2	03-2020	Rosenberg; Jonathan	H04L51/046	1/1
*	C	US-20220078039-A1	03-2022	CHO; Hoyoung	G06Q10/1091	1/1
*	D	US-9912777-B2	03-2018	Johar; Sahiba Singh	H04L67/306	1/1
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/472,023	Swerdlow, Nick
	Examiner	Art Unit
	NAZIA NAOREEN	2458

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

CLAIMS

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

CLAIM		DATE								
Final	Original	03/26/2022	10/07/2022	04/08/2023	06/30/2023					
	1	✓	✓	=	=					
	2	✓	✓	=	=					
	3	✓	✓	=	=					
	4	✓	✓	=	=					
	5	✓	✓	=	=					
	6	✓	✓	=	=					
	7	✓	✓	=	=					
	8	✓	✓	=	=					
	9	✓	✓	=	=					
	10	✓	✓	=	=					
	11	✓	✓	=	=					
	12	✓	✓	=	=					
	13	✓	✓	=	=					
	14	✓	✓	=	=					
	15	✓	✓	=	=					
	16	✓	✓	=	=					
	17	✓	✓	=	=					
	18	✓	✓	=	=					
	19	✓	✓	=	=					
	20	✓	✓	=	=					

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/472,023	Swerdlow, Nick
	Examiner	Art Unit
	NAZIA NAOREEN	2458

CPC - Searched*		
Symbol	**Date**	**Examiner**
H04L12/1818	03/26/2022	NN
G06F3/048	03/26/2022	NN
G06Q10/1095	03/26/2022	NN
H04L12/1822	03/26/2022	NN
Updated Search	10/07/2022	NN
Updated Search	04/08/2023	NN
Updated Search	06/30/2023	NN

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**

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

/NAZIA NAOREEN/ Examiner, Art Unit 2458	

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/472,023	Swerdlow, Nick
	Examiner	Art Unit
	NAZIA NAOREEN	2458

Search Notes		
Search Notes	**Date**	**Examiner**
Inventor and Assignee	03/26/2022	NN
PE2ESEARCH (US-PGPUB, USPAT, USOCR, FIT, FPRS, EPO, JPO, DERWENT, IBM TDB)	03/26/2022	NN
Classification and Double Patenting	03/26/2022	NN
IP.com search, Google Scholar search	03/26/2022	NN
Updated Search, IP.com search, Google Scholar search	10/07/2022	NN
Updated Search, IP.com search, Google Scholar search	04/08/2023	NN
Updated Search, IP.com search, Google Scholar search	06/30/2023	NN

Interference Search			
US Class/CPC Symbol	**US Subclass/CPC Group**	**Date**	**Examiner**
	Text Search US PG-PUB	04/08/2023	NN
	Text Search US PG-PUB	06/30/2023	NN

/NAZIA NAOREEN/ Examiner, Art Unit 2458	

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Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/472,023	Swerdlow, Nick
	Examiner	**Art Unit**
	NAZIA NAOREEN	2458

CPC						
Symbol					**Type**	**Version**
H04L	/	12	/	1818	F	2013-01-01
H04L	/	12	/	1822	I	2013-01-01
G06F	/	3	/	048	I	2013-01-01
G06Q	/	10	/	1095	I	2013-01-01
G06F	/	2203	/	04803	A	2013-01-01

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

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	20	
/NAZIA NAOREEN/ Examiner, Art Unit 2458	30 June 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	8

U.S. Patent and Trademark Office — Part of Paper No.: 20230630

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Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/472,023	Swerdlow, Nick
	Examiner	**Art Unit**
	NAZIA NAOREEN	2458

INTERNATIONAL CLASSIFICATION				
CLAIMED				
G06F	/	3	/	048
G06Q	/	10	/	10
H04L	/	12	/	18

NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**

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

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	20	
/NAZIA NAOREEN/ Examiner, Art Unit 2458	30 June 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	8

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Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/472,023	Swerdlow, Nick
	Examiner	**Art Unit**
	NAZIA NAOREEN	2458

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

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
	1		10		19										
	2		11		20										
	3		12												
	4		13												
	5		14												
	6		15												
	7		16												
	8		17												
	9		18												

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	20	
/NAZIA NAOREEN/ Examiner, Art Unit 2458	30 June 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	8

U.S. Patent and Trademark Office

Part of Paper No.: 20230630

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Web Search History

date, time	web site	search string
6/30/2023 9:51:44 PM	Google Scholar	conference status and future conference and attendance time
6/30/2023 9:56:06 PM	Google Scholar	first portion and conference status and future conference
6/30/2023 10:00:42 PM	Google Scholar	first portion and second portion and graphical output and conference status
6/30/2023 10:06:43 PM	Google Scholar	conference and communication application and chat message
6/30/2023 10:12:19 PM	Google Scholar	transmitting graphical output to display participant information

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PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L342	20	("20100037151"|"20100198646"|"20100274855"|"20110161834"|"20120185534"|"20190392395"|"20220321616"|"8437461"|"9146115").PN.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/26 03:00 PM
L343	9	("20100037151"|"20100198646"|"20100274855"|"20110161834"|"20120185534"|"20190392395"|"20220321616"|"8437461"|"9146115").PN.	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/06/26 03:00 PM
L344	6	(attend$3 OR join$3) near5 time AND ("20100037151"|"20100198646"|"20100274855"|"20110161834"|"20120185534"|"20190392395"|"20220321616"|"8437461"|"9146115").PN.	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/06/26 03:18 PM
L345	3	(attending OR attendance OR joined OR joining) near5 time AND ("20100037151"|"20100198646"|"20100274855"|"20110161834"|"20120185534"|"20190392395"|"20220321616"|"8437461"|"9146115").PN.	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/06/26 03:18 PM
L349	2	("8,861,704").pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK,	ADJ	ON	ON	2023/06/30 09:21 PM

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			TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L350	12	expand$4 SAME conference status SAME participant	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L351	250	expand$4 SAME participant information	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L352	15	expand$4 near5 participant information	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L353	19	participant NEAR attendance NEAR time	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	ADJ	ON	ON	2023/06/30 09:21 PM

			EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L354	64	participant NEAR attend$4 NEAR time	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L355	14	display$3 SAME participant NEAR attend$4 NEAR time	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L356	0	display$3 SAME participant NEAR attend$4 NEAR duration	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO;	ADJ	ON	ON	2023/06/30 09:21 PM

			JPO; DERWENT; IBM_TDB)				
L357	5	participant NEAR attend$4 NEAR duration	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L358	42	(conference OR meeting) AND calendar$3 SAME graphical output	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L359	467	calendar$3 SAME (graphical OR gui) AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L360	31	("20030189601"|"20070239827"|"20110107228"|"6853398"|"7603412"|"9165290").PN.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	ADJ	ON	ON	2023/06/30 09:21 PM

Zoom Communications, Inc. v. Ricoh Company, Ltd.
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			IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L361	2	(H04L12/1818 AND G06F3/048 AND G06Q10/1095 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L362	57	(H04L12/1818 AND G06F3/048).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L363	5	(H04L12/1818 AND G06F3/048 AND G06Q10/1095).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM

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L364	3005	(H04L12/1818 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L365	0	interface SAME panel(H04L12/1818 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L366	252	interface SAME panel AND (H04L12/1818 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L367	21	interface SAME panel SAME status AND (H04L12/1818 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL,	ADJ	ON	ON	2023/06/30 09:21 PM

			NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L368	488	interface SAME panel SAME status SAME participant	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L369	0	interface SAME panel SAME status SAME participant AND web ex	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L370	14	interface SAME panel AND web ex	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L371	7	(interface OR ui OR gui) SAME conference	(US-PGPUB; USPAT; USOCR; FIT (AP, AT,	ADJ	ON	ON	2023/06/30 09:21 PM

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		status SAME participant information	AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L372	0	(interface OR ui OR gui) SAME conference status SAME participant i	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L373	97	(interface OR ui OR gui) SAME conference status SAME participant	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L374	51	(conference OR meeting) window SAME progress SAME participant	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE,	ADJ	ON	ON	2023/06/30 09:21 PM

			SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L375	56	high priority participant	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L376	6	high priority near5 participant near5 join$3	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L377	14	high priority near5 participant SAME join$3	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L378	65	priority near5 participant near5 join$3	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	ADJ	ON	ON	2023/06/30 09:21 PM

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			CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L379	15	priority participant near5 join$3	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L380	6	priority participant near5 notification	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L381	18	priority participant SAME notification	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN,	ADJ	ON	ON	2023/06/30 09:21 PM

			WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L382	30	priority participant SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L383	38	important (participant OR person OR user OR attendee) SAME join$3 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L384	20	(important OR high priority) SAME join$3 SAME notif$7 AND organization$2 near5 (chart OR poisition)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L385	30	(important OR high priority) SAME join$3 SAME notif$7 AND organization$2 near5 (chart OR position)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	ADJ	ON	ON	2023/06/30 09:21 PM

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			HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L386	46	(important OR high priority) SAME join$3 SAME notif$7 AND organization$2 near5 (chart OR position OR role)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L387	16	(important OR high priority) SAME join$3 SAME notif$7 SAME organization$2 near5 (chart OR position OR role)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L388	26	(important OR high priority) NEAR (position OR role) SAME join$3 SAME notif$7 AND organization	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	ADJ	ON	ON	2023/06/30 09:21 PM

			IBM_TDB)				
L389	105	(important OR high priority) NEAR (position OR role) SAME join$3 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L390	513	organization SAME (position OR role) SAME join$3 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L391	1	organization SAME (position OR role) SAME join$3 SAME notif$7 AND (H04L12/1818 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L392	92	organization SAME (position OR role) SAME join$3 SAME notif$7 SAME (meeting OR conference)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	ADJ	ON	ON	2023/06/30 09:21 PM

			MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L393	498	organization SAME (position OR role) AND join$3 SAME notif$7 SAME (meeting OR conference)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L394	501	(important OR high priority) NEAR (participant OR person OR user OR attendee OR position OR role) SAME atten$4 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L395	5	(important OR high priority) NEAR (participant OR person OR user OR attendee OR position OR role) SAME atten$4 SAME notif$7 AND (H04L12/1818 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L396	10	(important OR high	(US-PGPUB; USPAT;	ADJ	ON	ON	2023/06/30

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		priority) NEAR (participant OR person OR user OR attendee OR position OR role) SAME atten$4 SAME notif$7 AND (H04L12/1818 OR H04L12/1822).cpc.	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				09:21 PM
L397	75	(important OR high priority) NEAR (participant OR person OR user OR attendee OR position OR role) SAME atten$4 SAME notif$7 SAME (meeting OR conference)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L398	331	(important OR high priority) (participant OR person OR user OR attendee OR position OR role) SAME atten$4 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L399	318	(important OR high priority) (participant OR person OR user OR attendee OR position OR role) SAME (meeting OR conference) SAME (notif$7 OR alert$3)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL,	ADJ	ON	ON	2023/06/30 09:21 PM

			PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L400	24	(boss OR supervisor OR director OR ceo OR senior) SAME join$3 SAME notif$7 AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L401	950	(boss OR supervisor OR director OR ceo OR senior) SAME join$3 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L402	0	(boss OR supervisor OR director OR ceo OR senior) SAME join$3 SAME notif$7 AND orgnaization$2 NEAR chart	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L403	0	(boss OR supervisor OR director OR ceo OR senior) SAME join$3	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY,	ADJ	ON	ON	2023/06/30 09:21 PM

		SAME notif$7 AND orgnaization$2 SAME chart	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L404	6	(boss OR supervisor OR director OR ceo OR senior) near5 join$3 near5 (meeting OR conference) SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L405	14	(boss OR supervisor OR director OR ceo OR senior) SAME join$3 SAME notif$7 AND organizational chart	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L406	10	organizational chart SAME join$3 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH,	ADJ	ON	ON	2023/06/30 09:21 PM

			TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L407	70	organizational chart AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L408	1	persistent panel interface	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L409	36	persistent panel	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L410	103	(user interface OR ui OR gui) SAME first portion SAME second portion AND (H04L12/1818 OR	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	ADJ	ON	ON	2023/06/30 09:21 PM

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		H04L12/1822).cpc.	EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L411	17	(user interface OR ui OR gui) SAME participant panel AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L412	63	(user interface OR ui OR gui) SAME participant panel AND (conference OR meeting)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L413	4	participant panel SAME status panel AND (conference OR meeting)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO;	ADJ	ON	ON	2023/06/30 09:21 PM

			JPO; DERWENT; IBM_TDB)				
L414	0	participant panel SAME conference status AND (conference OR meeting)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L415	0	participant panel SAME meeting status AND (conference OR meeting)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L416	610	(client OR user OR participant OR attendee) near5 yet NEAR join$3 AND request	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L417	223	(client OR user OR participant OR attendee) near5 yet NEAR join$3 AND request near5 information	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	ADJ	ON	ON	2023/06/30 09:21 PM

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			IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L418	15	(client OR user OR participant OR attendee) near5 yet NEAR join$3 SAME request near5 information	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L419	147	(client OR user OR participant OR attendee) near5 yet NEAR join$3 SAME request	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L420	6	(client OR user OR participant OR attendee) near5 yet NEAR join$3 SAME display$3 near5 who	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM

L421	250	(client OR user OR participant OR attendee) near5 yet NEAR join$3 SAME who	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L422	1	(client OR user OR participant OR attendee) near5 yet NEAR join$3 SAME who NEAR joined	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L423	141	(client OR user OR participant OR attendee) near5 yet NEAR join$3 SAME who near5 joined	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L424	19	prior near5 (client OR user OR participant OR attendee) near5 join$3 SAME who near5 joined	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL,	ADJ	ON	ON	2023/06/30 09:21 PM

			NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L425	456	prior near5 join$3 SAME (view$3 OR see$3) near5 (client OR user OR participant OR attendee)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L426	93	prior near5 join$3 SAME (view$3 OR see$3) near5 (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L427	36	prior near5 join$3 SAME (view$3 OR see$3) NEAR list	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L428	3	prior near5 join$3 SAME (view$3 OR	(US-PGPUB; USPAT; USOCR; FIT (AP, AT,	ADJ	ON	ON	2023/06/30 09:21 PM

		see$3) NEAR list NEAR (participants OR attendees)	AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L429	17	prior near5 join$3 SAME list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L430	54	before near5 join$3 SAME list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L431	9	before NEAR join$3 SAME list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE,	ADJ	ON	ON	2023/06/30 09:21 PM

			SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L432	13	yet near5 join$3 near5 list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L433	0	panel interfacea AND list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L434	21	panel interface AND list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L435	33	interface near5 top NEAR display AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	ADJ	ON	ON	2023/06/30 09:21 PM

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			CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L436	1	gui near5 top NEAR display AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L437	0	alway NEAR top NEAR display AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L438	0	always NEAR top NEAR display AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN,	ADJ	ON	ON	2023/06/30 09:21 PM

			WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L439	8	persistent near5 top NEAR display AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L440	21	(conference OR virtual meeting OR collaboration) AND persistent near5 top NEAR display	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L441	3837	(conference OR virtual meeting OR collaboration) AND persistent near5 (interface OR gui OR ui)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L442	682	(conference OR virtual meeting OR collaboration) AND persistent NEAR (interface OR gui OR ui)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	ADJ	ON	ON	2023/06/30 09:21 PM

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			HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L443	52	persistent NEAR (interface OR gui OR ui) AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L444	0	persistent NEAR (interface OR gui OR ui) NEAR top AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L445	23	persistent SAME (interface OR gui OR ui) SAME top AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	ADJ	ON	ON	2023/06/30 09:21 PM

			IBM_TDB)				
L446	19	persistent near5 top AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L447	7	alway NEAR top AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L448	0	peristent NEAR panel AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L449	3	persistent NEAR panel AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	ADJ	ON	ON	2023/06/30 09:21 PM

			MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L450	0	(conference OR virtual meeting OR collaboration) AND persistent NEAR persistent NEAR panel	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L451	27	(conference OR virtual meeting OR collaboration) AND persistent NEAR panel	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L452	530	(conference OR virtual meeting OR collaboration) AND persistent NEAR5 window	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L453	15	persistent NEAR5	(US-PGPUB; USPAT;	ADJ	ON	ON	2023/06/30

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		window AND (H04L12/1818 OR H04L12/1822).cpc.	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				09:21 PM
L454	4	(conference OR virtual meeting OR collaboration) AND persistent NEAR5 window near5 top	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L455	43	(conference OR virtual meeting OR collaboration) AND persistent NEAR5 window SAME top	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L456	5407	(conference OR virtual meeting OR collaboration) AND (sits OR stays) NEAR top	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL,	ADJ	ON	ON	2023/06/30 09:21 PM

			PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L457	39	(sits OR stays) NEAR top AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L458	27	persistent NEAR display AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L459	15	remains NEAR top AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L460	200	preference near5 priority near5 participant	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY,	ADJ	ON	ON	2023/06/30 09:21 PM

			CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L461	14	preference near5 priority near5 participant AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L462	6	high priority near5 participant near5 preference	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L463	20	((("SWERDLOW") near3 ("Nick"))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	ADJ	ON	ON	2023/06/30 09:21 PM
L464	103	((("ZOOM") near3 ("VIDEO") near3 ("COMMUNICATIONS") near3 ("INC"))).AS.AANM.	(USPAT)	ADJ	ON	ON	2023/06/30 09:21 PM
L465	27	L105 AND L106	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY,	ADJ	ON	ON	2023/06/30 09:21 PM

			CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L466	2	("8,861,704").pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L467	12	expand$4 SAME conference status SAME participant	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L468	250	expand$4 SAME participant information	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK,	ADJ	ON	ON	2023/06/30 09:21 PM

			TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L469	15	expand$4 near5 participant information	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L470	19	participant NEAR attendance NEAR time	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L471	64	participant NEAR attend$4 NEAR time	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L472	14	display$3 SAME participant NEAR attend$4 NEAR time	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	ADJ	ON	ON	2023/06/30 09:21 PM

			EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L473	0	display$3 SAME participant NEAR attend$4 NEAR duration	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM
L474	5	participant NEAR attend$4 NEAR duration	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/06/30 09:21 PM

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N27	1	(H04L12/1818 AND G06F3/048 AND G06Q10/1095 AND H04L12/1822).cpc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/06/30 09:22 PM
N28	14	(H04L12/1818 AND G06F3/048).cpc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/06/30 09:22 PM
N29	3	(H04L12/1818 AND G06F3/048 AND	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/06/30 09:22 PM

		G06Q10/1095).cpc.					
N30	906	(H04L12/1818 AND H04L12/1822).cpc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/06/30 09:22 PM
N31	3	(first portion SAME conference status).clm.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/06/30 09:22 PM
N32	1	(first portion SAME conference status).clm. AND (H04L12/1818 OR G06F3/048 OR G06Q10/1095 OR H04L12/1822).cpc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/06/30 09:22 PM
N33	0	(future conference SAME first portion).clm. AND (H04L12/1818 OR G06F3/048 OR G06Q10/1095 OR H04L12/1822).cpc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/06/30 09:22 PM
N34	29	(conference AND first portion AND second portion).clm. AND (H04L12/1818 OR G06F3/048 OR G06Q10/1095 OR H04L12/1822).cpc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/06/30 09:22 PM
N35	1	(conference AND first portion AND second portion AND status AND calendar).clm. AND (H04L12/1818 OR G06F3/048 OR G06Q10/1095 OR H04L12/1822).cpc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/06/30 09:22 PM
N36	4	(conference AND first portion AND second portion AND status AND calendar).clm.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/06/30 09:22 PM
N37	0	(future conference AND attendance time).clm.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/06/30 09:22 PM
N38	0	(participant information AND attendance time).clm.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/06/30 09:22 PM
N39	2	(participant AND attendance time).clm.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/06/30 09:22 PM
N40	42	(G06F3/048 AND G06Q10/10 AND H04L12/18).ipc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/06/30 09:22 PM
N41	1	(first portion SAME conference status).clm. AND (G06F3/048 OR G06Q10/10 OR H04L12/18).ipc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/06/30 09:22 PM
N42	0	(future conference SAME first portion).clm. AND (G06F3/048 OR	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/06/30 09:22 PM

		G06Q10/10 OR H04L12/18).ipc.					
N43	1	(conference AND first portion AND second portion AND status AND calendar).clm. AND (G06F3/048 OR G06Q10/10 OR H04L12/18).ipc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/06/30 09:22 PM
N44	58	(participant AND attendance).clm. AND (G06F3/048 OR G06Q10/10 OR H04L12/18).ipc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/06/30 09:22 PM
N45	0	(participant AND attendance time).clm. AND (G06F3/048 OR G06Q10/10 OR H04L12/18).ipc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/06/30 09:22 PM
N46	0	(conference status AND attendance time).clm. AND (G06F3/048 OR G06Q10/10 OR H04L12/18).ipc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/06/30 09:22 PM
N47	20	((("SWERDLOW") near3 ("Nick"))).INV.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/06/30 09:22 PM
N48	349	((("ZOOM") near3 ("VIDEO") near3 ("COMMUNICATIONS") near3 ("INC"))) AS.AANM.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/06/30 09:22 PM
N49	20	N24 AND N25	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/06/30 09:22 PM

Search History

Report Run Date: 2023-07-01 UTC
Searches: 5
Markers: 0

Zoom Communications, Inc. v. Ricoh Company, Ltd.
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Search #	Timestamp	Results	Page
1	2023-07-01 01:51 UTC	47,287	3
2	2023-07-01 01:56 UTC	1,472,173	4
3	2023-07-01 02:00 UTC	4,211,378	4
4	2023-07-01 02:06 UTC	47,287	4
5	2023-07-01 02:12 UTC	46,064,961	4

Zoom Communications, Inc. v. Ricoh Company, Ltd.
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Content: Patents + NPL (192)

US Patents | US Designs | US Applications | EPO Patents | EPO Applications | China Patents | China Applications | Japan Patents | Japan Applications | Korea Patents | Korea Applications | WIPO Applications | Argentina Patents | Argentina Applications | Brazil Patents | Brazil Applications | Canada Patents | Canada Applications | Chile Patents | Chile Applications | Colombia Applications | Costa Rica Applications | Cuba Patents | Cuba Applications | Dominican Republic Applications | Ecuador Patents | Ecuador Applications | El Salvador Applications | Guatemala Applications | Honduras Applications | Mexico Patents | Mexico Applications | Nicaragua Patents | Panama Applications | Peru Applications | Trinidad & Tobago Patents | Uruguay Applications | Austria Patents | Austria Applications | Belarus Patents | Belgium Patents | Belgium Applications | Bosnia & Herzegovina Patents | Bosnia & Herzegovina Applications | Bulgaria Patents | Bulgaria Applications | Croatia Patents | Croatia Applications | Czech Republic Patents | Czech Republic Applications | Czechoslovakia Patents | Czechoslovakia Applications | Denmark Patents | Denmark Applications | Estonia Patents | Estonia Applications | EUIPO Patents | Finland Patents | Finland Applications | France Patents | France Applications | Germany Patents | Germany Applications | Great Britain Patents | Great Britain Applications | Greece Patents | Greece Applications | Hungary Patents | Hungary Applications | Iceland Patents | Iceland Applications | Ireland Patents | Ireland Applications | Italy Patents | Italy Applications | Latvia Patents | Latvia Applications | Lithuania Patents | Lithuania Applications | Luxembourg Patents | Luxembourg Applications | Malta Patents | Monaco Patents | Montenegro Patents | Montenegro Applications | Netherlands Patents | Netherlands Applications | Norway Patents | Norway Applications | Poland Patents | Poland Applications | Portugal Patents | Portugal Applications | Republic of Moldova Patents | Republic of Moldova Applications | Romania Patents | Romania Applications | San Marino Patents | San Marino Applications | Serbia Patents | Serbia Applications | Slovakia Patents | Slovakia Applications | Slovenia Patents | Spain Patents | Spain Applications | Sweden Patents | Sweden Applications | Switzerland Patents | Switzerland Applications | Ukraine Patents | Yugoslavia/Serbia and Montenegro Patents | Yugoslavia/Serbia and Montenegro Applications | Armenia Patents | Australia Patents | Australia Applications | Cyprus Patents | Gulf Cooperation Council Patents | Hong Kong Patents | India Patents | India Applications | Indonesia Patents | Indonesia Applications | Israel Patents | Israel Applications | Jordan Patents | Jordan Applications | Kyrgyzstan Patents | Macao Applications | Malaysia Patents | Mongolia Patents | New Zealand Patents | Philippines Patents | Philippines Applications | Saudi Arabia Patents | Saudi Arabia Applications | Singapore Patents | Singapore Applications | Taiwan Patents | Taiwan Applications | Tajikistan Patents | Tajikistan Applications | Thailand Patents | Thailand Applications | Uzbekistan Patents | Vietnam Patents | Algeria Patents | ARIPO Patents | ARIPO Applications | Egypt Patents | Kenya Patents | Malawi Patents | Morocco Patents | Morocco Applications | OAPI Patents | South Africa Patents | Tunisia Applications | Zambia Patents | Zimbabwe Patents | EAPO Patents | EAPO Applications | Georgia Patents | Georgia Applications | Kazakhstan Patents | Kazakhstan Applications | Russia Patents | Russia Applications | Turkey Patents | Turkey Applications | IEEE Xplore Publications: IEEE Periodicals | IEEE Xplore Publications: IEEE Conferences | IEEE Xplore Publications: IEEE Standards | IEEE Xplore Publications: IEEE Early Access | IEEE Xplore Publications: SMPTE Periodicals | IEEE Xplore Publications: SMPTE Conferences | IEEE Xplore Publications: SMPTE Standards | IEEE Xplore Publications: MIT Press eBooks | IEEE Xplore Publications: Wiley-IEEE eBooks | IEEE Xplore Publications: IBM Periodicals | IEEE Xplore Publications: URSI Periodicals | IEEE Xplore Publications: VDE Conferences | IEEE Xplore Publications: Periodicals from China | IP.com Prior Art Database: The IP.com Journal | IP.com Prior Art Database: Internet Society RFC | IP.com Prior Art Database: IBM TDB Archive | IP.com Prior Art Database: Legacy Journals | IP.com Prior Art Database: Software Patent Institute | OnePetro.org: Periodicals at OnePetro.org | OnePetro.org: Conferences at OnePetro.org | Other Literature: IBM Redbooks | Other Literature: PubMed Central | Other Literature: arXiv.org

1 **2023-07-01 01:51 UTC | 47,287 results from**

De-Dup: None | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: Text
conference status and future conference and attendance time

Zoom Communications, Inc. v. Ricoh Company, Ltd.
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Concept Modifiers: None

Filters: None

2 **2023-07-01 01:56 UTC | 1,472,173 results from**

De-Dup: None | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: Text
first portion and conference status and future conference

Concept Modifiers: None

Filters: None

3 **2023-07-01 02:00 UTC | 4,211,378 results from**

De-Dup: None | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: Text
first portion and second portion and graphical output and conference status

Concept Modifiers: None

Filters: None

4 **2023-07-01 02:06 UTC | 47,287 results from**

De-Dup: None | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: Text
conference and participant information and attendance time

Concept Modifiers: None

Filters: None

5 **2023-07-01 02:12 UTC | 46,064,961 results from**

De-Dup: None | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: Text
transmitting graphical output to display participant information

Concept Modifiers: None

Filters: None

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 66 of 432

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

PTO/SB/08a (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17472023
Filing Date	2021-09-10
First Named Inventor	Nick Swerdlow
Art Unit	2458
Examiner Name	N. Naoreen
Attorney Docket Number	ZOOM-164-A

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	8437461		2013-05-07	Gartner et al.	
	2	9146115		2015-09-29	Geffner et al.	

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

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20190392395	A1	2019-12-26	Valliani, Jamil Amirali	
	2	20100198646	A1	2010-08-05	Mikan et al.	
	3	20100274855	A1	2010-10-28	Wassingbo, Tomas Karl-Axel	
	4	20120185534	A1	2012-07-19	ZIMMET et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE [illegible]

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 67 of 432

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17472023
	Filing Date	2021-09-10
	First Named Inventor	Nick Swerdlow
	Art Unit	2458
	Examiner Name	N. Naoreen
	Attorney Docket Number	ZOOM-164-A

	5	20100037151	A1	2010-02-11	Ackerman et al.	
	6	20110161834	A1	2011-06-30	Shadfar et al.	
	7	20220321616	A1	2022-10-06	Chopdekar et al.	

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FOREIGN PATENT DOCUMENTS Remove

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

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

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]
	1		

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

EXAMINER SIGNATURE

Examiner Signature	/NAZIA NAOREEN/	Date Considered	06/30/2023

*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.

ALL REFERENCES CONSIDERED EXCEPT WHERE [illegible]

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 68 of 432

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17472023
Filing Date	2021-09-10
First Named Inventor	Nick Swerdlow
Art Unit	2458
Examiner Name	N. Naoreen
Attorney Docket Number	ZOOM-164-A

[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 [illegible]

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 69 of 432

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17472023
Filing Date	2021-09-10
First Named Inventor	Nick Swerdlow
Art Unit	2458
Examiner Name	N. Naoreen
Attorney Docket Number	ZOOM-164-A

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	/Neil C. Maskeri/	Date (YYYY-MM-DD)	2023-06-15
Name/Print	Neil C. Maskeri	Registration Number	61,591

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.**

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 70 of 432

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /NC/

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.

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 71 of 432

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /XD/

Bibliographic Data

Application No: 17/472,023

Foreign Priority claimed: ○ Yes ◉ No

35 USC 119 (a-d) conditions met: ☐ Yes ☑ No ☐ Met After Allowance

Verified and Acknowledged: /NAZIA NAOREEN/ Examiner's Signature | Initials

Title: Previewing Conference Participants Prior To Joining A Conference

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FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
09/10/2021	709	2458	ZOOM-164-A
RULE			

APPLICANTS

Zoom Video Communications, Inc., San Jose, CA, UNITED STATES

INVENTORS

Nick Swerdlow, Santa Clara, CA, UNITED STATES

CONTINUING DATA

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

09/21/2021

STATE OR COUNTRY

UNITED STATES

ADDRESS

Zoom Video Communications, Inc. at Young Basile
3001 West Big Beaver Rd., Ste. 624
Troy, MI 48084
UNITED STATES

FILING FEE RECEIVED

$1,820

Doc code: RCEX
Doc description: Request for Continued Examination (RCE)

PTO/SB/30EFS (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	17472023	Filing Date	2021-09-10	Docket Number (if applicable)	ZOOM-164-A	Art Unit	2458
First Named Inventor	Nick Swerdlow			Examiner Name	N. Naoreen		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV

SUBMISSION REQUIRED UNDER 37 CFR 1.114

Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

- ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____
- ☐ Other _____

☒ Enclosed

- ☐ Amendment/Reply
- ☒ Information Disclosure Statement (IDS)
- ☐ Affidavit(s)/ Declaration(s)
- ☐ Other _____

MISCELLANEOUS

☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____ (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

☐ Other _____

FEES

☒ **The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.**
The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No 25-0115

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

Applicant Signature

PTO/SB/30EFS (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Signature of Registered U.S. Patent Practitioner			
Signature	/Neil C. Maskeri/	Date (YYYY-MM-DD)	2023-06-15
Name	Neil C. Maskeri	Registration Number	61591

This collection of information is required by 37 CFR 1.114. 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.

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

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.

Zoom Communications, Inc. v. Ricoh Company, Ltd.
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PTO/SB/08a (01-22)
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17472023
Filing Date	2021-09-10
First Named Inventor	Nick Swerdlow
Art Unit	2458
Examiner Name	N. Naoreen
Attorney Docket Number	ZOOM-164-A

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	8437461		2013-05-07	Gartner et al.	
	2	9146115		2015-09-29	Geffner et al.	

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

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20190392395	A1	2019-12-26	Valliani, Jamil Amirali	
	2	20100198646	A1	2010-08-05	Mikan et al.	
	3	20100274855	A1	2010-10-28	Wassingbo, Tomas Karl-Axel	
	4	20120185534	A1	2012-07-19	ZIMMET et al.	

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 76 of 432

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17472023
	Filing Date	2021-09-10
	First Named Inventor	Nick Swerdlow
	Art Unit	2458
	Examiner Name	N. Naoreen
	Attorney Docket Number	ZOOM-164-A

	5	20100037151	A1	2010-02-11	Ackerman et al.	
	6	20110161834	A1	2011-06-30	Shadfar et al.	
	7	20220321616	A1	2022-10-06	Chopdekar et al.	

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

FOREIGN PATENT DOCUMENTS Remove

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

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

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		

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

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17472023
	Filing Date	2021-09-10
	First Named Inventor	Nick Swerdlow
	Art Unit	2458
	Examiner Name	N. Naoreen
	Attorney Docket Number	ZOOM-164-A

[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	17472023
	Filing Date	2021-09-10
	First Named Inventor	Nick Swerdlow
	Art Unit	2458
	Examiner Name	N. Naoreen
	Attorney Docket Number	ZOOM-164-A

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	/Neil C. Maskeri/	Date (YYYY-MM-DD)	2023-06-15
Name/Print	Neil C. Maskeri	Registration Number	61,591

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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Electronic Patent Application Fee Transmittal

Application Number:	17472023
Filing Date:	10-Sep-2021
Title of Invention:	Previewing Conference Participants Prior To Joining A Conference
First Named Inventor/Applicant Name:	Nick Swerdlow
Filer:	Neil C. Maskeri/Jessica Tumblin
Attorney Docket Number:	ZOOM-164-A

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

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

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
RCE- 1ST REQUEST	1801	1	1360	1360
		Total in USD ($)		**1360**

Electronic Acknowledgement Receipt

EFS ID:	48157161
Application Number:	17472023
International Application Number:	
Confirmation Number:	2927
Title of Invention:	Previewing Conference Participants Prior To Joining A Conference
First Named Inventor/Applicant Name:	Nick Swerdlow
Customer Number:	177453
Filer:	Neil C. Maskeri/Jessica Tumblin
Filer Authorized By:	Neil C. Maskeri
Attorney Docket Number:	ZOOM-164-A
Receipt Date:	15-JUN-2023
Filing Date:	10-SEP-2021
Time Stamp:	11:00:29
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$1360
RAM confirmation Number	E20236EB01186252
Deposit Account	250115
Authorized User	Jessica Tumblin

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	Request for Continued Examination (RCE)	ZOOM164A_Request_for_Continued_Examination_Fillable_PDF_20230614.pdf	1666933 5637339ffb3c2785eb818824cb432fb8b378d681	no	3
Warnings:					
Information:					
2	Information Disclosure Statement (IDS) Form (SB08)	ZOOM164A_Information_Disclosure_Statement_Fillable_PDF_20230614.pdf	1263518 1acfbeec2370167768c8cf12b4ebee302892fa49	no	5
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	38022 9424d6f98786392fd01955b34f0d31c41a8031f9	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	2968473		

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

177453 7590 04/24/2023

Zoom Video Communications, Inc. at Young Basile
3001 West Big Beaver Rd., Ste. 624
Troy, MI 48084

EXAMINER
NAOREEN, NAZIA

ART UNIT	PAPER NUMBER
2458	

DATE MAILED: 04/24/2023

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/472,023	09/10/2021	Nick Swerdlow	ZOOM-164-A	2927

TITLE OF INVENTION: Previewing Conference Participants Prior To Joining A Conference

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	07/24/2023

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

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

HOW TO REPLY TO THIS NOTICE:

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

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

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

For purposes of this notice, small entity fees are 40% the amount of undiscounted fees, and micro entity fees are 20% the amount of undiscounted fees.

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

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

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

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 85 of 432

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 will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. **Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.**

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

177453 7590 04/24/2023

Zoom Video Communications, Inc. at Young Basile
3001 West Big Beaver Rd., Ste. 624
Troy, MI 48084

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

Certificate of Mailing or Transmission

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

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/472,023	09/10/2021	Nick Swerdlow	ZOOM-164-A	2927

TITLE OF INVENTION: Previewing Conference Participants Prior To Joining A Conference

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	07/24/2023

EXAMINER	ART UNIT	CLASS-SUBCLASS
NAOREEN, NAZIA	2458	709-204000

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

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

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

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

1 _____
2 _____
3 _____

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

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

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

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

4a. Fees submitted: ❑ Issue Fee ❑ Publication Fee (if required)

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

❑ Electronic Payment via Patent Center or 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

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.

❑ Applicant asserting small entity status. See 37 CFR 1.27

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.

❑ Applicant changing to regular undiscounted fee 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. _____

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 86 of 432

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/472,023	09/10/2021	Nick Swerdlow	ZOOM-164-A	2927

177453 7590 04/24/2023

Zoom Video Communications, Inc. at Young Basile
3001 West Big Beaver Rd., Ste. 624
Troy, MI 48084

EXAMINER	
NAOREEN, NAZIA	
ART UNIT	PAPER NUMBER
2458	

DATE MAILED: 04/24/2023

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.

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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.

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Notice of Allowability	Application No. 17/472,023	Applicant(s) Swerdlow, Nick	
	Examiner NAZIA NAOREEN	Art Unit 2458	AIA (FITF) Status Yes

-- 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 01/13/2023.
   ☐ 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 1-20 . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see **http://www.uspto.gov/patents/init_events/pph/index.jsp** or send an inquiry to **PPHfeedback@uspto.gov.**

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

   Certified copies:

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

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

   * Certified copies not received: _____ .

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

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

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

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

Attachment(s)

1. ☑ Notice of References Cited (PTO-892)
2. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 12/13/2022, 12/14/2022, and 03/02/2023.
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 _____.

/NAZIA NAOREEN/
Examiner, Art Unit 2458

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DETAILED ACTION

Status of Claims:

1. Claims 1 – 20 are allowed over prior art of record.

Notice of Pre-AIA or AIA Status

2. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Information Disclosure Statement

3. The information disclosure statement (IDS) was submitted on 12/13/2022, 12/14/2022, and 03/02/2023. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

EXAMINER'S AMENDMENT

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in an interview with Neil C. Maskeri on 03/27/2023.

The application has been amended as follows:

1. (Currently Amended) A method for displaying conference information, comprising:

transmitting, to a client device, a first graphical output based on calendar data for display on a panel interface associated with a conference, wherein the panel interface has a first portion and is expandable to display a second portion, the first portion including an indicator that indicates a conference status, wherein the conference status indicates that ~~associated with~~ the conference is a future conference;

prior to the client device joining the conference:

receiving a request for participant information of the conference;

determining the participant information based on the request, the participant information including an attendance time; and

transmitting a second graphical output to the client device to display the participant information on the second portion of the panel interface.

2. (Original) The method of claim 1, comprising:

determining whether a high priority participant has joined the conference; and

transmitting a notification to the client device when the high priority participant has joined the conference.

3. (Previously Presented) The method of claim 1, comprising:

determining whether a high priority participant has joined the conference, wherein the high priority participant is determined based on an organizational chart relative to an organizational position of a user of the client device; and

transmitting a notification to the client device when the high priority participant has joined the conference.

4. (Previously Presented) The method of claim 1, comprising:

determining whether a high priority participant has joined the conference, wherein the high priority participant is based on a preference of a user of the client device; and

transmitting a notification to the client device when the high priority participant has joined the conference.

5. (Original) The method of claim 1, wherein the calendar data includes at least one of a description, a list of topics, a time, a location, a participant identifier, or a participant invite status.

6. (Currently Amended) The method of claim 1, wherein the participant information includes a participant ~~attendance time~~ preview status, a participant icon, a participant name, or a participant title.

7. (Currently Amended) The method of claim 1, wherein the conference status indicates that the conference is ~~a future conference~~ in progress without participants, the conference is in progress with participants, or the conference has ended.

8. (Original) The method of claim 1, wherein the panel interface is a persistent panel interface that remains on top of a display of the client device.

9. (Currently Amended) A system for displaying conference information, comprising:

a server configured to transmit a first graphical output based on calendar data; and

a client device configured to display the first graphical output on a panel interface associated with a conference, wherein the panel interface has a first portion and is expandable to display a second portion, the first portion including an indicator that indicates a conference status, wherein the conference status indicates that ~~associated with~~ the conference is a future conference;

prior to the client device joining the conference, the server configured to:

receive a request for participant information of the conference;

determine the participant information based on the request, the participant information including an attendance time; and

transmit a second graphical output to the client device; and

prior to the client device joining the conference, the client device configured to:

display the participant information on the second portion of the panel interface.

10. (Original) The system of claim 9, wherein the server is configured to:

determine whether a high priority participant has joined the conference; and

transmit a notification to the client device when the high priority participant has joined the conference.

11. (Previously Presented) The system of claim 9, wherein the server is configured to:

determine a high priority participant based on an organizational chart relative to an organizational position of a user of the client device; and

transmit a notification to the client device when the high priority participant has joined the conference.

12. (Previously Presented) The system of claim 9, wherein the server is configured to:

determine whether a high priority participant has joined the conference, wherein the high priority participant is based on a preference of a user of the client device.

13. (Original) The system of claim 9, wherein the calendar data includes at least one of a description, a list of topics, a time, a location, a participant identifier, or a participant invite status.

14. (Previously Presented) The system of claim 9, wherein the participant information includes a participant preview status.

15. (Previously Presented) The system of claim 9, wherein the conference status indicates that the conference is in progress without participants.

16. (Currently Amended) A non-transitory computer-readable storage device including program instructions that, when executed by a processor, cause the processor to perform operations, the operations comprising:

transmitting, to a client device, a first graphical output based on calendar data for display on a panel interface associated with a conference, wherein the panel interface has a first portion and is expandable to display a second portion, the first portion including an indicator that indicates a conference status, wherein the conference status indicates that ~~associated with~~ the conference is a future conference;

prior to the client device joining the conference:

receiving a request for participant information of the conference;

determining the participant information based on the request, the participant information including an attendance time; and

transmitting a second graphical output to the client device to display the participant information on the second portion of the panel interface.

17. (Previously Presented) The non-transitory computer-readable storage device of claim 16, wherein the participant information includes a participant icon.

18. (Original) The non-transitory computer-readable storage device of claim 16, wherein the program instructions, when executed by the processor, cause the processor to perform operations, the operations comprising:

determining whether a high priority participant has joined the conference; and

transmitting a notification to the client device when the high priority participant has joined the conference.

19. (Previously Presented) The non-transitory computer-readable storage device of claim 16, wherein the program instructions, when executed by the processor, cause the processor to perform operations, the operations comprising:

determining whether a high priority participant has joined the conference, wherein the high priority participant is determined based on an organizational chart.

20. (Previously Presented) The non-transitory computer-readable storage device of claim 16, wherein the program instructions, when executed by the processor, cause the processor to perform operations, the operations comprising:

determining whether a high priority participant has joined the conference, wherein the high priority participant is based on a user preference.

Allowable Subject Matter

5. Claim 1 – 20 are allowed.

Reasons for Allowance

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

Examiner performed updated search and additional search does not yield other specific references that reasonably, either singularly or in combination with cited references, would result a proper rejection that would have anticipated or made obvious all the steps disclosed in the amended claims with proper motivation at or before the time it was effectively filed.

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 NAZIA NAOREEN whose telephone number is (571)270-7282. The examiner can normally be reached M-F: 9:00 - 6:00.

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, Kevin Bates can be reached on 571-272-3980. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of published or unpublished applications may be obtained from Patent Center. Unpublished application information in Patent Center is available to registered users. To file and manage patent submissions in Patent Center, visit: https://patentcenter.uspto.gov. Visit https://www.uspto.gov/patents/apply/patent-center for more information about Patent Center and

https://www.uspto.gov/patents/docx for information about filing in DOCX format. For additional questions, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/NAZIA NAOREEN/
Examiner, Art Unit 2458

Notice of References Cited	Application/Control No. 17/472,023	Applicant(s)/Patent Under Reexamination Swerdlow, Nick	
	Examiner NAZIA NAOREEN	Art Unit 2458	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-20220078039-A1	03-2022	CHO; Hoyoung	G06Q10/1091	1/1
*	B	US-9912777-B2	03-2018	Johar; Sahiba Singh	H04L67/306	1/1
*	C	US-10592867-B2	03-2020	Rosenberg; Jonathan	H04L51/046	1/1
*	D	US-10320856-B2	06-2019	Rosenberg; Jonathan	H04L67/141	1/1
	E					
	F					
	G					
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	I					
	J					
	K					
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FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/472,023	Swerdlow, Nick
	Examiner	Art Unit
	NAZIA NAOREEN	2458

CPC - Searched*		
Symbol	**Date**	**Examiner**
H04L12/1818	03/26/2022	NN
G06F3/048	03/26/2022	NN
G06Q10/1095	03/26/2022	NN
H04L12/1822	03/26/2022	NN
Updated Search	10/07/2022	NN
Updated Search	04/08/2023	NN

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**

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

Search Notes		
Search Notes	**Date**	**Examiner**
Inventor and Assignee	03/26/2022	NN
PE2ESEARCH (US-PGPUB, USPAT, USOCR, FIT, FPRS, EPO, JPO, DERWENT, IBM TDB)	03/26/2022	NN
Classification and Double Patenting	03/26/2022	NN
IP.com search, Google Scholar search	03/26/2022	NN
Updated Search, IP.com search, Google Scholar search	10/07/2022	NN
Updated Search, IP.com search, Google Scholar search	04/08/2023	NN

/NAZIA NAOREEN/ Examiner, Art Unit 2458	

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/472,023	Swerdlow, Nick
	Examiner	Art Unit
	NAZIA NAOREEN	2458

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
	Text Search US PG-PUB	04/08/2023	NN

/NAZIA NAOREEN/ Examiner, Art Unit 2458	

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Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/472,023	Swerdlow, Nick
	Examiner	**Art Unit**
	NAZIA NAOREEN	2458

CPC						
Symbol					**Type**	**Version**
H04L	/	12	/	1818	F	2013-01-01
H04L	/	12	/	1822	I	2013-01-01
G06F	/	3	/	048	I	2013-01-01
G06Q	/	10	/	1095	I	2013-01-01
G06F	/	2203	/	04803	A	2013-01-01

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

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	20	
/NAZIA NAOREEN/ Examiner, Art Unit 2458	08 April 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	8

U.S. Patent and Trademark Office — Part of Paper No.: 20230408

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Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/472,023	Swerdlow, Nick
	Examiner	**Art Unit**
	NAZIA NAOREEN	2458

INTERNATIONAL CLASSIFICATION				
CLAIMED				
G06F	/	3	/	048
G06Q	/	10	/	10
H04L	/	12	/	18

NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**

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

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	20	
/NAZIA NAOREEN/ Examiner, Art Unit 2458	08 April 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	8

U.S. Patent and Trademark Office

Part of Paper No.: 20230408

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Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
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	Examiner	**Art Unit**
	NAZIA NAOREEN	2458

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

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
	1		10		19										
	2		11		20										
	3		12												
	4		13												
	5		14												
	6		15												
	7		16												
	8		17												
	9		18												

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	20	
/NAZIA NAOREEN/ Examiner, Art Unit 2458	08 April 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	8

U.S. Patent and Trademark Office

Part of Paper No.: 20230408

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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/472,023	Swerdlow, Nick
	Examiner	Art Unit
	NAZIA NAOREEN	2458

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

CLAIMS

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

CLAIM		DATE								
Final	Original	03/26/2022	10/07/2022	04/08/2023						
	1	✓	✓	=						
	2	✓	✓	=						
	3	✓	✓	=						
	4	✓	✓	=						
	5	✓	✓	=						
	6	✓	✓	=						
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	15	✓	✓	=						
	16	✓	✓	=						
	17	✓	✓	=						
	18	✓	✓	=						
	19	✓	✓	=						
	20	✓	✓	=						

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

PTO/SB/08a (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17472023
Filing Date	2021-09-10
First Named Inventor	Nick Swerdlow
Art Unit	2458
Examiner Name	N. Naoreen
Attorney Docket Number	ZOOM-164-A

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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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	1	20050069116	A1	2005-03-31	Murray, F. Randall II	
	2	20030097217	A1	2003-05-22	Wells et al.	

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ALL REFERENCES CONSIDERED EXCEPT WHERE [illegible]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17472023
Filing Date	2021-09-10
First Named Inventor	Nick Swerdlow
Art Unit	2458
Examiner Name	N. Naoreen
Attorney Docket Number	ZOOM-164-A

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	International Search Report and Written Opinion mailed on December 13, 2022 in corresponding PCT Application Number PCT/US2022/042864.	
	2	Anonymous: "Is it possible to see who is in a currently running meeting without joining it yourself? - Microsoft Community Hub", 18 November 2020 (2020-11-18), pages 1-5, XP093005369, Retrieved from the Internet: URL: https://techcommunity.microsoft.com/t5/microsoft-teams/is-it-possible-to-see-who-is-in-a-currently-running-meeting/m-p/1901024 [retrieved on 2022-12-06] page 1-page 2	

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

EXAMINER SIGNATURE

Examiner Signature	/NAZIA NAOREEN/	Date Considered	04/08/2023

*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.

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 105 of 432

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17472023
Filing Date	2021-09-10
First Named Inventor	Nick Swerdlow
Art Unit	2458
Examiner Name	N. Naoreen
Attorney Docket Number	ZOOM-164-A

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	/Neil C. Maskeri/	Date (YYYY-MM-DD)	2022-12-14
Name/Print	Neil C. Maskeri	Registration Number	61,591

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.**

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 106 of 432

ALL REFERENCES CONSIDERED EXCEPT WHERE [illegible]

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.

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 107 of 432

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.C./ Examiner, Art Unit 2458

Search History

Report Run Date: 2023-04-09 UTC
Searches: 5
Markers: 0

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 108 of 432

Search #	Timestamp	Results	Page
1	2023-04-09 03:18 UTC	46,026	3
2	2023-04-09 03:23 UTC	1,428,307	4
3	2023-04-09 03:27 UTC	4,123,767	4
4	2023-04-09 03:34 UTC	46,026	4
5	2023-04-09 03:40 UTC	45,228,133	4

Zoom Communications, Inc. v. Ricoh Company, Ltd.
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Content: Patents + NPL (192)

US Patents | US Designs | US Applications | EPO Patents | EPO Applications | China Patents | China Applications | Japan Patents | Japan Applications | Korea Patents | Korea Applications | WIPO Applications | Argentina Patents | Argentina Applications | Brazil Patents | Brazil Applications | Canada Patents | Canada Applications | Chile Patents | Chile Applications | Colombia Applications | Costa Rica Applications | Cuba Patents | Cuba Applications | Dominican Republic Applications | Ecuador Patents | Ecuador Applications | El Salvador Applications | Guatemala Applications | Honduras Applications | Mexico Patents | Mexico Applications | Nicaragua Patents | Panama Applications | Peru Applications | Trinidad & Tobago Patents | Uruguay Applications | Austria Patents | Austria Applications | Belarus Patents | Belgium Patents | Belgium Applications | Bosnia & Herzegovina Patents | Bosnia & Herzegovina Applications | Bulgaria Patents | Bulgaria Applications | Croatia Patents | Croatia Applications | Czech Republic Patents | Czech Republic Applications | Czechoslovakia Patents | Czechoslovakia Applications | Denmark Patents | Denmark Applications | Estonia Patents | Estonia Applications | EUIPO Patents | Finland Patents | Finland Applications | France Patents | France Applications | Germany Patents | Germany Applications | Great Britain Patents | Great Britain Applications | Greece Patents | Greece Applications | Hungary Patents | Hungary Applications | Iceland Patents | Iceland Applications | Ireland Patents | Ireland Applications | Italy Patents | Italy Applications | Latvia Patents | Latvia Applications | Lithuania Patents | Lithuania Applications | Luxembourg Patents | Luxembourg Applications | Malta Patents | Monaco Patents | Montenegro Patents | Montenegro Applications | Netherlands Patents | Netherlands Applications | Norway Patents | Norway Applications | Poland Patents | Poland Applications | Portugal Patents | Portugal Applications | Republic of Moldova Patents | Republic of Moldova Applications | Romania Patents | Romania Applications | San Marino Patents | San Marino Applications | Serbia Patents | Serbia Applications | Slovakia Patents | Slovakia Applications | Slovenia Patents | Spain Patents | Spain Applications | Sweden Patents | Sweden Applications | Switzerland Patents | Switzerland Applications | Ukraine Patents | Yugoslavia/Serbia and Montenegro Patents | Yugoslavia/Serbia and Montenegro Applications | Armenia Patents | Australia Patents | Australia Applications | Cyprus Patents | Gulf Cooperation Council Patents | Hong Kong Patents | India Patents | India Applications | Indonesia Patents | Indonesia Applications | Israel Patents | Israel Applications | Jordan Patents | Jordan Applications | Kyrgyzstan Patents | Macao Applications | Malaysia Patents | Mongolia Patents | New Zealand Patents | Philippines Patents | Philippines Applications | Saudi Arabia Patents | Saudi Arabia Applications | Singapore Patents | Singapore Applications | Taiwan Patents | Taiwan Applications | Tajikistan Patents | Tajikistan Applications | Thailand Patents | Thailand Applications | Uzbekistan Patents | Vietnam Patents | Algeria Patents | ARIPO Patents | ARIPO Applications | Egypt Patents | Kenya Patents | Malawi Patents | Morocco Patents | Morocco Applications | OAPI Patents | South Africa Patents | Tunisia Applications | Zambia Patents | Zimbabwe Patents | EAPO Patents | EAPO Applications | Georgia Patents | Georgia Applications | Kazakhstan Patents | Kazakhstan Applications | Russia Patents | Russia Applications | Turkey Patents | Turkey Applications | IEEE Xplore Publications: IEEE Periodicals | IEEE Xplore Publications: IEEE Conferences | IEEE Xplore Publications: IEEE Standards | IEEE Xplore Publications: IEEE Early Access | IEEE Xplore Publications: SMPTE Periodicals | IEEE Xplore Publications: SMPTE Conferences | IEEE Xplore Publications: SMPTE Standards | IEEE Xplore Publications: MIT Press eBooks | IEEE Xplore Publications: Wiley-IEEE eBooks | IEEE Xplore Publications: IBM Periodicals | IEEE Xplore Publications: URSI Periodicals | IEEE Xplore Publications: VDE Conferences | IEEE Xplore Publications: Periodicals from China | IP.com Prior Art Database: The IP.com Journal | IP.com Prior Art Database: Internet Society RFC | IP.com Prior Art Database: IBM TDB Archive | IP.com Prior Art Database: Legacy Journals | IP.com Prior Art Database: Software Patent Institute | OnePetro.org: Periodicals at OnePetro.org | OnePetro.org: Conferences at OnePetro.org | Other Literature: IBM Redbooks | Other Literature: PubMed Central | Other Literature: arXiv.org

1 **2023-04-09 03:18 UTC | 46,026 results from**

De-Dup: None | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: Text
conference status and future conference and attendance time

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 110 of 432

Concept Modifiers: None

Filters: None

2 **2023-04-09 03:23 UTC | 1,428,307 results from**

De-Dup: None | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: Text
first portion and conference status and future conference

Concept Modifiers: None

Filters: None

3 **2023-04-09 03:27 UTC | 4,123,767 results from**

De-Dup: None | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: Text
first portion and second portion and graphical output and conference status

Concept Modifiers: None

Filters: None

4 **2023-04-09 03:34 UTC | 46,026 results from**

De-Dup: None | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: Text
conference and participant information and attendance time

Concept Modifiers: None

Filters: None

5 **2023-04-09 03:40 UTC | 45,228,133 results from**

De-Dup: None | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: Text
transmitting graphical output to display participant information

Concept Modifiers: None

Filters: None

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 111 of 432

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

PTO/SB/08a (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17472023
Filing Date	2021-09-10
First Named Inventor	Nick Swerdlow
Art Unit	2458
Examiner Name	N. Naoreen
Attorney Docket Number	ZOOM-164-A

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	9065874	B2	2015-06-23	Moyers et al.	

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

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH.

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 112 of 432

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17472023
	Filing Date	2021-09-10
	First Named Inventor	Nick Swerdlow
	Art Unit	2458
	Examiner Name	N. Naoreen
	Attorney Docket Number	ZOOM-164-A

	1	

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

EXAMINER SIGNATURE

Examiner Signature	/NAZIA NAOREEN/	Date Considered	04/08/2023

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Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 113 of 432

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99**)	Application Number	17472023
	Filing Date	2021-09-10
	First Named Inventor	Nick Swerdlow
	Art Unit	2458
	Examiner Name	N. Naoreen
	Attorney Docket Number	ZOOM-164-A

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☒ A certification statement is not submitted herewith.

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Signature	/Neil C. Maskeri/	Date (YYYY-MM-DD)	2023-03-02
Name/Print	Neil C. Maskeri	Registration Number	61,591

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Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 114 of 432

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Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 115 of 432

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.C./ Examiner, Art Unit 2458

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L225	42	(conference OR meeting) AND calendar$3 SAME graphical output	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L226	458	calendar$3 SAME (graphical OR gui) AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L227	31	("20030189601"|"20070239827"|"20110107228"|"6853398"|"7603412"|"9165290").PN.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L228	2	(H04L12/1818 AND G06F3/048 AND G06Q10/1095 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU,	ADJ	ON	ON	2023/04/08 11:28 PM

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 116 of 432

			CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L229	55	(H04L12/1818 AND G06F3/048).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L230	5	(H04L12/1818 AND G06F3/048 AND G06Q10/1095).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L231	2930	(H04L12/1818 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN,	ADJ	ON	ON	2023/04/08 11:28 PM

			WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L232	0	interface SAME panel(H04L12/1818 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L233	233	interface SAME panel AND (H04L12/1818 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L234	16	interface SAME panel SAME status AND (H04L12/1818 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L235	470	interface SAME panel SAME status SAME participant	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	ADJ	ON	ON	2023/04/08 11:28 PM

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			HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L236	0	interface SAME panel SAME status SAME participant AND web ex	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L237	14	interface SAME panel AND web ex	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L238	7	(interface OR ui OR gui) SAME conference status SAME participant information	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	ADJ	ON	ON	2023/04/08 11:28 PM

			IBM_TDB)				
L239	0	(interface OR ui OR gui) SAME conference status SAME participant i	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L240	97	(interface OR ui OR gui) SAME conference status SAME participant	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L241	51	(conference OR meeting) window SAME progress SAME participant	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L242	56	high priority participant	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	ADJ	ON	ON	2023/04/08 11:28 PM

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			MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L243	6	high priority near5 participant near5 join$3	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L244	14	high priority near5 participant SAME join$3	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L245	63	priority near5 participant near5 join$3	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L246	14	priority participant near5	(US-PGPUB; USPAT;	ADJ	ON	ON	2023/04/08

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		join$3	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				11:28 PM
L247	6	priority participant near5 notification	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L248	17	priority participant SAME notification	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L249	29	priority participant SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL,	ADJ	ON	ON	2023/04/08 11:28 PM

			PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L250	38	important (participant OR person OR user OR attendee) SAME join$3 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L251	19	(important OR high priority) SAME join$3 SAME notif$7 AND organization$2 near5 (chart OR poisition)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L252	29	(important OR high priority) SAME join$3 SAME notif$7 AND organization$2 near5 (chart OR position)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L253	44	(important OR high priority) SAME join$3 SAME notif$7 AND	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY,	ADJ	ON	ON	2023/04/08 11:28 PM

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		organization$2 near5 (chart OR position OR role)	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L254	14	(important OR high priority) SAME join$3 SAME notif$7 SAME organization$2 near5 (chart OR position OR role)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L255	26	(important OR high priority) NEAR (position OR role) SAME join$3 SAME notif$7 AND organization	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L256	105	(important OR high priority) NEAR (position OR role) SAME join$3 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH,	ADJ	ON	ON	2023/04/08 11:28 PM

			TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L257	502	organization SAME (position OR role) SAME join$3 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L258	1	organization SAME (position OR role) SAME join$3 SAME notif$7 AND (H04L12/1818 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L259	90	organization SAME (position OR role) SAME join$3 SAME notif$7 SAME (meeting OR conference)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L260	488	organization SAME (position OR role) AND join$3 SAME notif$7 SAME (meeting OR conference)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	ADJ	ON	ON	2023/04/08 11:28 PM

			EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L261	502	(important OR high priority) NEAR (participant OR person OR user OR attendee OR position OR role) SAME atten$4 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L262	5	(important OR high priority) NEAR (participant OR person OR user OR attendee OR position OR role) SAME atten$4 SAME notif$7 AND (H04L12/1818 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L263	10	(important OR high priority) NEAR (participant OR person OR user OR attendee OR position OR role) SAME atten$4 SAME notif$7 AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO;	ADJ	ON	ON	2023/04/08 11:28 PM

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			JPO; DERWENT; IBM_TDB)				
L264	75	(important OR high priority) NEAR (participant OR person OR user OR attendee OR position OR role) SAME atten$4 SAME notif$7 SAME (meeting OR conference)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L265	333	(important OR high priority) (participant OR person OR user OR attendee OR position OR role) SAME atten$4 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L266	315	(important OR high priority) (participant OR person OR user OR attendee OR position OR role) SAME (meeting OR conference) SAME (notif$7 OR alert$3)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L267	25	(boss OR supervisor OR director OR ceo OR senior) SAME join$3 SAME notif$7 AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	ADJ	ON	ON	2023/04/08 11:28 PM

			IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L268	936	(boss OR supervisor OR director OR ceo OR senior) SAME join$3 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L269	0	(boss OR supervisor OR director OR ceo OR senior) SAME join$3 SAME notif$7 AND orgnaization$2 NEAR chart	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L270	0	(boss OR supervisor OR director OR ceo OR senior) SAME join$3 SAME notif$7 AND orgnaization$2 SAME chart	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM

L271	6	(boss OR supervisor OR director OR ceo OR senior) near5 join$3 near5 (meeting OR conference) SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L272	14	(boss OR supervisor OR director OR ceo OR senior) SAME join$3 SAME notif$7 AND organizational chart	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L273	10	organizational chart SAME join$3 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L274	64	organizational chart AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL,	ADJ	ON	ON	2023/04/08 11:28 PM

			NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L275	1	persistent panel interface	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L276	36	persistent panel	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L277	101	(user interface OR ui OR gui) SAME first portion SAME second portion AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L278	16	(user interface OR ui OR gui) SAME	(US-PGPUB; USPAT; USOCR; FIT (AP, AT,	ADJ	ON	ON	2023/04/08 11:28 PM

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		participant panel AND (H04L12/1818 OR H04L12/1822).cpc.	AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L279	62	(user interface OR ui OR gui) SAME participant panel AND (conference OR meeting)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L280	4	participant panel SAME status panel AND (conference OR meeting)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L281	0	participant panel SAME conference status AND (conference OR meeting)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE,	ADJ	ON	ON	2023/04/08 11:28 PM

			SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L282	0	participant panel SAME meeting status AND (conference OR meeting)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L283	595	(client OR user OR participant OR attendee) near5 yet NEAR join$3 AND request	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L284	216	(client OR user OR participant OR attendee) near5 yet NEAR join$3 AND request near5 information	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L285	14	(client OR user OR participant OR attendee) near5 yet NEAR join$3 SAME	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	ADJ	ON	ON	2023/04/08 11:28 PM

		request near5 information	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L286	145	(client OR user OR participant OR attendee) near5 yet NEAR join$3 SAME request	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L287	6	(client OR user OR participant OR attendee) near5 yet NEAR join$3 SAME display$3 near5 who	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L288	244	(client OR user OR participant OR attendee) near5 yet NEAR join$3 SAME who	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN,	ADJ	ON	ON	2023/04/08 11:28 PM

			WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L289	0	(client OR user OR participant OR attendee) near5 yet NEAR join$3 SAME who NEAR joined	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L290	139	(client OR user OR participant OR attendee) near5 yet NEAR join$3 SAME who near5 joined	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L291	19	prior near5 (client OR user OR participant OR attendee) near5 join$3 SAME who near5 joined	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L292	444	prior near5 join$3 SAME (view$3 OR see$3) near5 (client OR user OR participant OR attendee)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	ADJ	ON	ON	2023/04/08 11:28 PM

			HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L293	87	prior near5 join$3 SAME (view$3 OR see$3) near5 (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L294	35	prior near5 join$3 SAME (view$3 OR see$3) NEAR list	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L295	3	prior near5 join$3 SAME (view$3 OR see$3) NEAR list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	ADJ	ON	ON	2023/04/08 11:28 PM

			IBM_TDB)				
L296	15	prior near5 join$3 SAME list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L297	53	before near5 join$3 SAME list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L298	9	before NEAR join$3 SAME list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L299	12	yet near5 join$3 near5 list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	ADJ	ON	ON	2023/04/08 11:28 PM

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			MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L300	0	panel interfacea AND list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L301	19	panel interface AND list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L302	32	interface near5 top NEAR display AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L303	1	gui near5 top NEAR	(US-PGPUB; USPAT;	ADJ	ON	ON	2023/04/08

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		display AND (H04L12/1818 OR H04L12/1822).cpc.	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				11:28 PM
L304	0	alway NEAR top NEAR display AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L305	0	always NEAR top NEAR display AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L306	8	persistent near5 top NEAR display AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL,	ADJ	ON	ON	2023/04/08 11:28 PM

			PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L307	21	(conference OR virtual meeting OR collaboration) AND persistent near5 top NEAR display	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L308	3741	(conference OR virtual meeting OR collaboration) AND persistent near5 (interface OR gui OR ui)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L309	668	(conference OR virtual meeting OR collaboration) AND persistent NEAR (interface OR gui OR ui)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L310	51	persistent NEAR (interface OR gui OR ui) AND (H04L12/1818 OR	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY,	ADJ	ON	ON	2023/04/08 11:28 PM

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		H04L12/1822).cpc.	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L311	0	persistent NEAR (interface OR gui OR ui) NEAR top AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L312	23	persistent SAME (interface OR gui OR ui) SAME top AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L313	19	persistent near5 top AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH,	ADJ	ON	ON	2023/04/08 11:28 PM

			TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L314	7	alway NEAR top AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L315	0	peristent NEAR panel AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L316	3	persistent NEAR panel AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L317	0	(conference OR virtual meeting OR collaboration) AND persistent NEAR persistent NEAR panel	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	ADJ	ON	ON	2023/04/08 11:28 PM

			EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L318	27	(conference OR virtual meeting OR collaboration) AND persistent NEAR panel	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L319	520	(conference OR virtual meeting OR collaboration) AND persistent NEAR5 window	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L320	15	persistent NEAR5 window AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO;	ADJ	ON	ON	2023/04/08 11:28 PM

			JPO; DERWENT; IBM_TDB)				
L321	4	(conference OR virtual meeting OR collaboration) AND persistent NEAR5 window near5 top	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L322	43	(conference OR virtual meeting OR collaboration) AND persistent NEAR5 window SAME top	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L323	5267	(conference OR virtual meeting OR collaboration) AND (sits OR stays) NEAR top	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L324	37	(sits OR stays) NEAR top AND (H04L12/1818 OR H04L12/1822) cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	ADJ	ON	ON	2023/04/08 11:28 PM

			HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L325	27	persistent NEAR display AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L326	15	remains NEAR top AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L327	198	preference near5 priority near5 participant	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	ADJ	ON	ON	2023/04/08 11:28 PM

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			IBM_TDB)				
L328	14	preference near5 priority near5 participant AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L329	6	high priority near5 participant near5 preference	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L330	14	((("SWERDLOW") near3 ("Nick"))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	ADJ	ON	ON	2023/04/08 11:28 PM
L331	85	((("ZOOM") near3 ("VIDEO") near3 ("COMMUNICATIONS") near3 ("INC"))).AS,AANM.	(USPAT)	ADJ	ON	ON	2023/04/08 11:28 PM
L332	20	L105 AND L106	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT;	ADJ	ON	ON	2023/04/08 11:28 PM

			IBM_TDB)				
L333	2	("8,861,704").pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L334	12	expand$4 SAME conference status SAME participant	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L335	250	expand$4 SAME participant information	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L336	14	expand$4 near5 participant information	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	ADJ	ON	ON	2023/04/08 11:28 PM

			MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L337	18	participant NEAR attendance NEAR time	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L338	62	participant NEAR attend$4 NEAR time	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L339	13	display$3 SAME participant NEAR attend$4 NEAR time	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM
L340	0	display$3 SAME	(US-PGPUB; USPAT;	ADJ	ON	ON	2023/04/08

		participant NEAR attend$4 NEAR duration	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				11:28 PM
L341	5	participant NEAR attend$4 NEAR duration	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/04/08 11:28 PM

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N1	1	(H04L12/1818 AND G06F3/048 AND G06Q10/1095 AND H04L12/1822).cpc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/04/08 11:29 PM
N2	13	(H04L12/1818 AND G06F3/048).cpc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/04/08 11:29 PM
N3	3	(H04L12/1818 AND G06F3/048 AND G06Q10/1095).cpc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/04/08 11:29 PM
N4	868	(H04L12/1818 AND H04L12/1822).cpc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/04/08 11:30 PM
N5	3	(first portion SAME conference status).clm.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/04/08 11:32 PM
N6	1	(first portion SAME conference status).clm. AND (H04L12/1818 OR G06F3/048 OR G06Q10/1095 OR H04L12/1822).cpc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/04/08 11:32 PM

N10	0	(future conference SAME first portion).clm. AND (H04L12/1818 OR G06F3/048 OR G06Q10/1095 OR H04L12/1822).cpc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/04/08 11:33 PM
N11	29	(conference AND first portion AND second portion).clm. AND (H04L12/1818 OR G06F3/048 OR G06Q10/1095 OR H04L12/1822).cpc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/04/08 11:33 PM
N12	1	(conference AND first portion AND second portion AND status AND calendar).clm. AND (H04L12/1818 OR G06F3/048 OR G06Q10/1095 OR H04L12/1822).cpc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/04/08 11:34 PM
N13	4	(conference AND first portion AND second portion AND status AND calendar).clm.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/04/08 11:35 PM
N14	0	(future conference AND attendance time).clm.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/04/08 11:35 PM
N15	0	(participant information AND attendance time).clm.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/04/08 11:36 PM
N16	1	(participant AND attendance time).clm.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/04/08 11:36 PM
N17	41	(G06F3/048 AND G06Q10/10 AND H04L12/18).ipc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/04/08 11:37 PM
N18	1	(first portion SAME conference status).clm. AND (G06F3/048 OR G06Q10/10 OR H04L12/18).ipc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/04/08 11:37 PM
N19	0	(future conference SAME first portion).clm. AND (G06F3/048 OR G06Q10/10 OR H04L12/18).ipc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/04/08 11:38 PM
N20	1	(conference AND first portion AND second portion AND status AND calendar).clm. AND (G06F3/048 OR G06Q10/10 OR H04L12/18).ipc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/04/08 11:38 PM
N21	56	(participant AND attendance).clm. AND	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/04/08 11:38 PM

		(G06F3/048 OR G06Q10/10 OR H04L12/18).ipc.					
N22	0	(participant AND attendance time).clm. AND (G06F3/048 OR G06Q10/10 OR H04L12/18).ipc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/04/08 11:38 PM
N23	0	(conference status AND attendance time).clm. AND (G06F3/048 OR G06Q10/10 OR H04L12/18).ipc.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/04/08 11:39 PM
N24	14	((("SWERDLOW") near3 ("Nick"))).INV.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/04/08 11:39 PM
N25	267	((("ZOOM") near3 ("VIDEO") near3 ("COMMUNICATIONS") near3 ("INC"))).AS.AANM.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/04/08 11:39 PM
N26	14	N24 AND N25	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/04/08 11:39 PM

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

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17472023
Filing Date	2021-09-10
First Named Inventor	Nick Swerdlow
Art Unit	2458
Examiner Name	N. Naoreen
Attorney Docket Number	ZOOM-164-A

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	11488634		2022-11-01	Decrop et al.	
	2	11245735		2022-02-08	Kwatra et al.	
	3	11349679		2022-05-31	Laird-McConnell et al.	

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	1	20150281149	A1	2015-10-01	Masterson et al.	
	2	20180039951	A1	2018-02-08	WYNN et al.	

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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]

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 151 of 432

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17472023
	Filing Date	2021-09-10
	First Named Inventor	Nick Swerdlow
	Art Unit	2458
	Examiner Name	N. Naoreen
	Attorney Docket Number	ZOOM-164-A

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	1		

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Examiner Signature	/NAZIA NAOREEN/	Date Considered	04/08/2023

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Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 152 of 432

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99**)	Application Number	17472023
	Filing Date	2021-09-10
	First Named Inventor	Nick Swerdlow
	Art Unit	2458
	Examiner Name	N. Naoreen
	Attorney Docket Number	ZOOM-164-A

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	/Neil C. Maskeri/	Date (YYYY-MM-DD)	2022-12-13
Name/Print	Neil C. Maskeri	Registration Number	61,591

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Zoom Communications, Inc. v. Ricoh Company, Ltd.
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ALL REFERENCES CONSIDERED EXCEPT WHERE [illegible]

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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.

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Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 154 of 432

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.C./ Examiner, Art Unit 2458

Web Search History

date, time	web site	search string
4/8/2023 11:18:15 PM	Google Scholar	conference status and future conference and attendance time
4/8/2023 11:22:57 PM	Google Scholar	first portion and conference status and future conference
4/8/2023 11:27:21 PM	Google Scholar	first portion and second portion and graphical output and conference status
4/8/2023 11:34:44 PM	Google Scholar	conference and participant information and attendance time
4/8/2023 11:40:46 PM	Google Scholar	transmitting graphical output to display participant information

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 155 of 432

Bibliographic Data

Application No: 17/472,023

Foreign Priority claimed: ○ Yes ◉ No

35 USC 119 (a-d) conditions met: ☐ Yes ☑ No ☐ Met After Allowance

Verified and Acknowledged: /NAZIA NAOREEN/ Examiner's Signature | Initials

Title: Previewing Conference Participants Prior To Joining A Conference

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FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
09/10/2021	709	2458	ZOOM-164-A
RULE			

APPLICANTS

Zoom Video Communications, Inc., San Jose, CA, UNITED STATES

INVENTORS

Nick Swerdlow, Santa Clara, CA, UNITED STATES

CONTINUING DATA

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

09/21/2021

STATE OR COUNTRY

UNITED STATES

ADDRESS

Zoom Video Communications, Inc. at Young Basile
3001 West Big Beaver Rd., Ste. 624
Troy, MI 48084
UNITED STATES

FILING FEE RECEIVED

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
17/472,023	09/10/2021	Nick Swerdlow	ZOOM-164-A

CONFIRMATION NO. 2927

177453
Zoom Video Communications, Inc. at Young Basile
3001 West Big Beaver Rd., Ste. 624
Troy, MI 48084

PUBLICATION NOTICE

OC000000137584456

Title: Previewing Conference Participants Prior To Joining A Conference

Publication No.US-2023-0078792-A1
Publication Date:03/16/2023

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

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently http://www.uspto.gov/patft/.

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Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 157 of 432

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Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17472023
Filing Date	2021-09-10
First Named Inventor	Nick Swerdlow
Art Unit	2458
Examiner Name	N. Naoreen
Attorney Docket Number	ZOOM-164-A

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	9065874	B2	2015-06-23	Moyers et al.	

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Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 158 of 432

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17472023
	Filing Date	2021-09-10
	First Named Inventor	Nick Swerdlow
	Art Unit	2458
	Examiner Name	N. Naoreen
	Attorney Docket Number	ZOOM-164-A

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See attached certification statement.

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

☒ A certification statement is not submitted herewith.

SIGNATURE

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

Signature	/Neil C. Maskeri/	Date (YYYY-MM-DD)	2023-03-02
Name/Print	Neil C. Maskeri	Registration Number	61,591

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

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

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APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/472,023	03/02/2023 10:31:53 AM ET	ZOOM-164-A

Title of Invention

Previewing Conference Participants Prior To Joining A Conference

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	2927	FILED BY	Jessica Tumblin
PATENT CENTER #	61676724	AUTHORIZED BY	Neil Maskeri
CUSTOMER #	177453	FILING DATE	09/10/2021
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Nick Swerdlow

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
DA / 250115	E202332A33019654	Jessica Tumblin

PRE-AUTHORIZED ACCOUNT	PRE-AUTHORIZED CATEGORY
250115	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)

FEE CODE	DESCRIPTION	ITEM PRICE($)	QUANTITY	ITEM TOTAL($)
1806	SUBMISSION OF AN INFORMATION DISCLOSURE STATEMENT	260.00	1	260.00
			TOTAL AMOUNT:	$260.00

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

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New International Application Filed with the USPTO as a Receiving Office

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

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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/472,023	**03/02/2023 10:31:53 AM ET**	**ZOOM-164-A**

Title of Invention

Previewing Conference Participants Prior To Joining A Conference

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	2927	FILED BY	Jessica Tumblin
PATENT CENTER #	61676724	FILING DATE	09/10/2021
CUSTOMER #	177453	FIRST NAMED INVENTOR	Nick Swerdlow
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Neil Maskeri

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
ZOOM164A_Information Disclosure Statement Fillable PDF _20230228.pdf	4	Information Disclosure Statement (IDS) Form (SB08)	1234 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
ZOOM164A_Information Disclosure Statement Fillable PDF _20230228.pdf	6973A34994AFE99E9A78470BD98AC62AA90F4E12158EC82525 DE2ACDA15DF09C75DBE8CC23FA10FD55A86644EA7505BC9 DD07FEA3E7D76BDE687675ABB36F42B

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/472,023	09/10/2021	Nick Swerdlow	ZOOM-164-A	2927

177453 7590 01/18/2023

Zoom Video Communications, Inc. at Young Basile
3001 West Big Beaver Rd., Ste. 624
Troy, MI 48084

EXAMINER	
NAOREEN, NAZIA	

ART UNIT	PAPER NUMBER
2458	

NOTIFICATION DATE	DELIVERY MODE
01/18/2023	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):

docketing@youngbasile.com

Applicant-Initiated Interview Summary	**Application No.** 17/472,023	**Applicant(s)** Swerdlow, Nick		
	Examiner NAZIA NAOREEN	**Art Unit** 2458	**AIA (First Inventor to File) Status** Yes	**Page** 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	**Title**	**Type**
NAZIA NAOREEN	Examiner	Telephonic
NEIL C. MASKERI	Attorney	

Date of Interview: 11 January 2023

Issues Discussed:

Proposed Amendment(s)

Applicant presented amendments to try to overcome the prior art rejection. Examiner agreed that further search may be required based on the proposed amended claim language.

/NAZIA NAOREEN/ Examiner, Art Unit 2458	

Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04
Please further see:
MPEP 713.04
Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b)
37 CFR § 1.2 Business to be transacted in writing

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview.

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

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 167 of 432

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Zoom Video Communications, Inc.
First Named Inventor:	Nick Swerdlow
Serial Number:	17/472,023
Filing Date:	September 10, 2021
Examiner/Art Unit:	Nazia Naoreen / 2458 Conf. No. 2927
Title:	Previewing Conference Participants Prior To Joining A Conference

AMENDMENT

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

Commissioner:

In response to the Office Action dated October 14, 2022, please enter the remarks and amendments, if any, in the above-identified patent application as indicated below.

If any extensions of time are needed for timely acceptance of this reply and associated papers, Applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment from Deposit Account No. 25-0115. If any other fees must be paid in connection with this reply, Applicant authorizes payment from Deposit Account No. 25-0115.

☐ Amendments to the Abstract.

☐ Amendments to the Specification.

☒ Amendments to the Claims.

☐ Amendments to the Drawings.

Listing of the Claims:

1. (Currently Amended) A method for displaying conference information, comprising:

transmitting, to a client device, a first graphical output based on calendar data for display on a panel interface associated with a conference, wherein the panel interface ~~having~~ has a first portion and is expandable to display a second portion, the first portion including an indicator that indicates a conference status associated with the conference;

prior to the client device joining the conference:

receiving a request for participant information of the conference;

determining the participant information based on the request; and

transmitting a second graphical output to the client device to display the participant information on the second portion of the panel interface.

2. (Original) The method of claim 1, comprising:

determining whether a high priority participant has joined the conference; and

transmitting a notification to the client device when the high priority participant has joined the conference.

3. (Currently Amended) The method of claim ~~2~~1, comprising:

determining whether a high priority participant has joined the conference, wherein the high priority participant is determined based on an organizational chart relative to an organizational position of a user of the client device; and

transmitting a notification to the client device when the high priority participant has joined the conference.

4. (Currently Amended) The method of claim ~~2~~1, comprising:

determining whether a high priority participant has joined the conference, wherein the high priority participant is based on a preference of a user of the client device; and

transmitting a notification to the client device when the high priority participant has joined the conference.

5. (Original) The method of claim 1, wherein the calendar data includes at least one of a description, a list of topics, a time, a location, a participant identifier, or a participant invite status.

6. (Currently Amended) The method of claim 1, wherein the participant information includes ~~at least one of~~ a participant attendance ~~status, a participant preview status, a participant icon, a participant name, or a participant title~~time.

7. (Currently Amended) The method of claim 1, wherein the conference status indicates that the conference is a future conference~~, the conference is in progress without participants, the conference is in progress with participants, or the conference has ended~~.

8. (Original) The method of claim 1, wherein the panel interface is a persistent panel interface that remains on top of a display of the client device.

9. (Currently Amended) A system for displaying conference information, comprising:

a server configured to transmit a first graphical output based on calendar data; and

a client device configured to display the first graphical output on a panel interface associated with a conference, wherein the panel interface ~~having~~ has a first portion and is expandable to display a second portion, the first portion including an indicator that indicates a conference status associated with the conference;

prior to the client device joining the conference, the server configured to:

receive a request for participant information of the conference;

determine the participant information based on the request; and

transmit a second graphical output to the client device; and

prior to the client device joining the conference, the client device configured to:

display the participant information on the second portion of the panel interface.

10. (Original) The system of claim 9, wherein the server is configured to:

determine whether a high priority participant has joined the conference; and

transmit a notification to the client device when the high priority participant has joined the conference.

11. (Currently Amended) The system of claim ~~10~~9, wherein the server is configured to:

determine ~~the~~ a high priority participant based on an organizational chart relative to an organizational position of a user of the client device; and

transmit a notification to the client device when the high priority participant has joined the conference.

12. (Currently Amended) The system of claim ~~10~~9, wherein the server is configured to:

determine whether a high priority participant has joined the conference, wherein the high priority participant is based on a preference of a user of the client device.

13. (Original) The system of claim 9, wherein the calendar data includes at least one of a description, a list of topics, a time, a location, a participant identifier, or a participant invite status.

14. (Currently Amended) The system of claim 9, wherein the participant information includes ~~at least one of a participant attendance status,~~ a participant preview status~~, a participant icon, a participant name, or a participant title~~.

15. (Currently Amended) The system of claim 9, wherein the conference status indicates that ~~the conference is a future conference,~~ the conference is in progress without participants~~, the conference is in progress with participants, or the conference has ended~~.

16. (Currently Amended) A non-transitory computer-readable storage device including program instructions that, when executed by a processor, cause the processor to perform operations, the operations comprising:

transmitting, to a client device, a first graphical output based on calendar data for display on a panel interface associated with a conference, wherein the panel interface ~~having~~ has a first

portion and is expandable to display a second portion, the first portion including an indicator that indicates a conference status associated with the conference;

prior to the client device joining the conference:

receiving a request for participant information of the conference;

determining the participant information based on the request; and

transmitting a second graphical output to the client device to display the participant information on the second portion of the panel interface.

17. (Currently Amended) The non-transitory computer-readable storage device of claim 16, wherein the participant information includes ~~at least one of a participant attendance status, a participant preview status,~~ a participant icon~~, a participant name, or a participant title~~.

18. (Original) The non-transitory computer-readable storage device of claim 16, wherein the program instructions, when executed by the processor, cause the processor to perform operations, the operations comprising:

determining whether a high priority participant has joined the conference; and

transmitting a notification to the client device when the high priority participant has joined the conference.

19. (Currently Amended) The non-transitory computer-readable storage device of claim ~~18~~16, wherein the program instructions, when executed by the processor, cause the processor to perform operations, the operations comprising:

determining whether a high priority participant has joined the conference, wherein the high priority participant is determined based on an organizational chart ~~relative to an organizational position of a user of the client device~~.

20. (Currently Amended) The non-transitory computer-readable storage device of claim ~~18~~16, wherein the program instructions, when executed by the processor, cause the processor to perform operations, the operations comprising:

determining whether a high priority participant has joined the conference, wherein the high priority participant is based on a user preference ~~of a user of the client device~~.

REMARKS

In response to the Office Action dated October 14, 2022, Applicant amends claims 1, 3-4, 6-7, 9, 11-12, 14-17, and 19-20. No new matter is added. After entry of this Amendment, claims 1-20 are pending in the Application. Reconsideration of the Application as amended is respectfully requested in view of these remarks.

Summary of Examiner Interview

Applicant thanks the Examiner for the telephone interview conducted on January 11, 2023. The attendees were Examiner Nazia Naoreen and the Applicant's representative, Neil C. Maskeri (Registration No. 61,591). During the interview, a proposed amendment was discussed with respect to the 35 U.S.C. § 103 rejection. An agreement was reached that the proposed amendment overcomes the cited references of record. The Examiner noted that a further search would be required.

Rejections under 35 U.S.C. §103

Claims 1, 5-7, 9, and 13-17 are rejected under 35 U.S.C. § 103 as being unpatentable over U.S. Patent No. 10,554,728 to Reyes ("Reyes") in view of U.S. Patent Application Publication No. 2022/0141044 to Burpee ("Burpee"), and in further view of U.S. Patent No. 9,912,777 to Johar ("Johar").

Regarding claims 1, 9, and 16, an agreement was reached that the proposed amendment overcomes the cited references of record. Accordingly, the Applicant submits that claims 1, 9, and 16 are allowable over the cited references for at least these reasons.

Regarding claim 6, Reyes fails to disclose or suggest at least "wherein the participant information includes a participant attendance time," as claimed. In Col. 18, Lines 2-23, Reyes discloses that the participant information specifies the current participants of the meeting, which is distinguishable from a participant attendance time. Burpee and Johar fail to overcome the deficiencies of Reyes. Accordingly, the Applicant submits that claim 6 is allowable over the cited references for at least these reasons.

Regarding claim 7, Reyes fails to disclose or suggest at least "wherein the conference status indicates that the conference is a future conference," as claimed. In Col. 18, Lines 2-23,

Reyes discloses that the electronic meeting screen indicates general and private meetings that are currently in progress, which is distinguishable from future meetings that are not yet in progress. Burpee and Johar fail to overcome the deficiencies of Reyes. Accordingly, the Applicant submits that claim 7 is allowable over the cited references for at least these reasons.

Regarding claim 14, Reyes fails to disclose or suggest at least "wherein the participant information includes a participant preview status," as claimed. In Col. 18, Lines 2-23, Reyes discloses that the participant information specifies the current participants of the meeting, which is distinguishable from a participant preview status. Burpee and Johar fail to overcome the deficiencies of Reyes. Accordingly, the Applicant submits that claim 14 is allowable over the cited references for at least these reasons.

Regarding claim 15, Reyes fails to disclose or suggest at least "wherein the conference status indicates that the conference is in progress without participants," as claimed. In Col. 18, Lines 2-23, Reyes discloses that the electronic meeting screen indicates general and private meetings that are currently in progress. Reyes, however, is silent with respect to indicating that the conference is in progress without participants. Burpee and Johar fail to overcome the deficiencies of Reyes. Accordingly, the Applicant submits that claim 15 is allowable over the cited references for at least these reasons.

Claims 2-4, 10-12, and 18-20 are rejected under 35 U.S.C. § 103 as being unpatentable over Reyes in view of Burpee and Johar, and in further view of U.S. Patent Application Publication No. 2012/0150577 to Berg ("Berg").

Regarding claims 2-4, 10-12, and 18-20, Berg fails to overcome the deficiencies of Reyes, Burpee, and Johar. Accordingly, the Applicant submits that claims 2-4, 10-12, and 18-20 are allowable over the cited references for at least the same reasons provided above.

Claim 8 is rejected under 35 U.S.C. § 103 as being unpatentable over Reyes in view of Burpee and Johar, and in further view of U.S. Patent No. 9,699,411 to Nelson ("Nelson").

Regarding claim 8, Nelson fails to overcome the deficiencies of Reyes, Burpee, and Johar. Accordingly, the Applicant submits that claim 8 is allowable over the cited references for at least the same reasons provided above.

Claims 2-8 are dependent upon claim 1. Claims 10-15 are dependent upon claim 9. Claims 17-20 are dependent upon claim 16. Applicant accordingly requests that the rejection of claims 1-20 under 35 U.S.C. § 103 be reconsidered and withdrawn.

Conclusion

It is submitted that this Amendment has antecedent basis in the application as originally filed, including the specification, claims and drawings, and that this Amendment does not add any new subject matter to the application. It is submitted that this Amendment places the application in suitable condition for allowance, notice of which is requested.

The Examiner is invited to contact the undersigned at the telephone number listed below if the Examiner believes an Examiner's amendment would expedite prosecution of the Application.

Respectfully submitted,

YOUNG BASILE
HANLON & MACFARLANE, P.C.

/Neil C. Maskeri/

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T: (248) 649-3333
F: (248) 649-3338

3001 West Big Beaver Road, Ste. 624
Troy, Michigan 48084-3107

Electronic Acknowledgement Receipt

EFS ID:	47365714
Application Number:	17472023
International Application Number:	
Confirmation Number:	2927
Title of Invention:	Previewing Conference Participants Prior To Joining A Conference
First Named Inventor/Applicant Name:	Nick Swerdlow
Customer Number:	177453
Filer:	Neil C. Maskeri/Jessica Tumblin
Filer Authorized By:	Neil C. Maskeri
Attorney Docket Number:	ZOOM-164-A
Receipt Date:	13-JAN-2023
Filing Date:	10-SEP-2021
Time Stamp:	10:33:50
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		ZOOM164A_Amd_20221014.pdf	63065 fbebc2ec5858429f5466651b3084aae2921a7830	yes	9

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Amendment/Request for Reconsideration-After Non-Final Rejection	1	1
	Claims	2	6
	Applicant Arguments/Remarks Made in an Amendment	7	9
Warnings:			
Information:			
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 17/472,023	Filing Date 09/10/2021	☐ To be Mailed

ENTITY: ☑ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*		x $100 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $480 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT	01/13/2023	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0		x $100 =	0
	Independent (37 CFR 1.16(h))	* 3	Minus	*** 3	= 0		x $480 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	0

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

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

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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PTO/SB/08a (01-22)
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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	17472023
Filing Date	2021-09-10
First Named Inventor	Nick Swerdlow
Art Unit	2458
Examiner Name	N. Naoreen
Attorney Docket Number	ZOOM-164-A

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20050069116	A1	2005-03-31	Murray, F. Randall II	
	2	20030097217	A1	2003-05-22	Wells et al.	

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	1							

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17472023
	Filing Date	2021-09-10
	First Named Inventor	Nick Swerdlow
	Art Unit	2458
	Examiner Name	N. Naoreen
	Attorney Docket Number	ZOOM-164-A

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	International Search Report and Written Opinion mailed on December 13, 2022 in corresponding PCT Application Number PCT/US2022/042864.	
	2	Anonymous: "Is it possible to see who is in a currently running meeting without joining it yourself? - Microsoft Community Hub", 18 November 2020 (2020-11-18), pages 1-5, XP093005369, Retrieved from the Internet: URL: https://techcommunity.microsoft.com/t5/microsoft-teams/is-it-possible-to-see-who-is-in-a-currently-running-meeting/m-p/1901024 [retrieved on 2022-12-06] page 1-page 2	

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

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

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

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17472023
	Filing Date	2021-09-10
	First Named Inventor	Nick Swerdlow
	Art Unit	2458
	Examiner Name	N. Naoreen
	Attorney Docket Number	ZOOM-164-A

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	/Neil C. Maskeri/	Date (YYYY-MM-DD)	2022-12-14
Name/Print	Neil C. Maskeri	Registration Number	61,591

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.

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To:

MASKERI, Neil
3001 West Big Beaver Rd. Suite 624
Troy MI 48084-3107
ETATS-UNIS D'AMERIQUE

PCT

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

	Date of mailing *(day/month/year)*: 13 December 2022 (13-12-2022)
Applicant's or agent's file reference: ZOOM164BWO	**FOR FURTHER ACTION** See paragraphs 1 and 4 below
International application No.: PCT/US2022/042864	International filing date *(day/month/year)*: 8 September 2022 (08-09-2022)
Applicant: ZOOM VIDEO COMMUNICATIONS, INC.	

1. [X] The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.

   Filing of amendments and statement under Article 19:
   The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

   When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.

   How? Directly to the International Bureau preferably through ePCT, or on paper to:
   The International Bureau of WIPO, 34 chemin des Colombettes, 1211 Geneva 20, Switzerland

   For more detailed instructions, see the *PCT Applicant's Guide*, International Phase, paragraphs 9.004 - 9.011.

2. [ ] The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.

3. [ ] **With regard to any protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

   [ ] the protest together with the decision thereon has been transmitted to the International Bureau together with any request to forward the texts of both the protest and the decision thereon to the designated Offices.

   [ ] no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Reminders**

   The applicant may **submit comments on an informal basis on the written opinion of the International Searching Authority** to the International Bureau. These comments will be made available to the public after international publication. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established.

   Shortly after the expiration of **18 months from the priority date, the international application will be published** by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau before the completion of the technical preparations for international publication (Rules 90*bis*.1 and 90*bis*.3).

   Within **19 months** from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase **until 30 months** from the priority date (in some Offices even later); otherwise, the applicant must, **within 20 months** from the priority date, perform the prescribed acts for **entry into the national phase** before those designated Offices. In respect of other designated Offices, the time limit of **30 months** (or later) will apply even if no demand is filed within 19 months. For details about the applicable time limits, Office by Office, see www.wipo.int/pct/en/texts/time_limits.html and the *PCT Applicant's Guide*, National Chapters.

   Within **22 months from the priority date, the applicant may request that a supplementary international search be carried out** by a different International Searching Authority that offers this service (Rule 45*bis*.1). The procedure for requesting supplementary international search is described in the *PCT Applicant's Guide*, International Phase, paragraphs 8.006-8.032.

Name and mailing address of the International Searching Authority	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040 Fax: (+31-70) 340-3016	BASTIÉ, Joël Tel: +31 (0)70 340-4157

Form PCT/ISA/220 (revised January 2020)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	**FOR FURTHER ACTION**	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
ZOOM164BWO		
International application No.	International filing date *(day/month/year)*	(Earliest) Priority Date *(day/month/year)*
PCT/US2022/042864	8 September 2022 (08-09-2022)	10 September 2021 (10-09-2021)
Applicant		
ZOOM VIDEO COMMUNICATIONS, INC.		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

[X] It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**
   a. With regard to the **language,** the international search was carried out on the basis of:
      [X] the international application in the language in which it was filed
      [ ] a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))
   b. [ ] This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6*bis*(a)).
   c. [ ] With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. [ ] **Certain claims were found unsearchable** (See Box No. II)

3. [ ] **Unity of invention is lacking** (see Box No III)

4. With regard to the **title,**
   [X] the text is approved as submitted by the applicant
   [ ] the text has been established by this Authority to read as follows:

5. With regard to the **abstract,**
   [X] the text is approved as submitted by the applicant
   [ ] the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority

6. With regard to the **drawings,**
   a. the figure of the **drawings** to be published with the abstract is Figure No. 9
      [X] as suggested by the applicant
      [ ] as selected by this Authority, because the applicant failed to suggest a figure
      [ ] as selected by this Authority, because this figure better characterizes the invention
   b. [ ] none of the figures is to be published with the abstract

Zoom Communications, Inc. v. Ricoh Company, Ltd.
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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2022/042864

A. CLASSIFICATION OF SUBJECT MATTER
INV. H04L12/18 H04L51/046
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2005/069116 A1 (MURRAY F RANDALL [US]) 31 March 2005 (2005-03-31)	1,2, 5-10, 13-20
Y	abstract paragraph [0004] - paragraph [0006] paragraph [0028] - paragraph [0030]	3,4,11, 12

-/--

[x] Further documents are listed in the continuation of Box C.

[x] See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
6 December 2022	13/12/2022

Name and mailing address of the ISA/	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Poggio, Francesca

2

Form PCT/ISA/210 (second sheet) (April 2005)

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 186 of 432

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Anonymous: "Is it possible to see who is in a currently running meeting without joining it yourself? - Microsoft Community Hub", , 18 November 2020 (2020-11-18), pages 1-5, XP093005369, Retrieved from the Internet: URL:https://techcommunity.microsoft.com/t5/microsoft-teams/is-it-possible-to-see-who-is-in-a-currently-running-meeting/m-p/1901024 [retrieved on 2022-12-06] page 1 - page 2	1,9,15
Y	US 2003/097217 A1 (WELLS CHARLES HILLIARY [US] ET AL) 22 May 2003 (2003-05-22) abstract	3,4,11, 12

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 187 of 432

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/US2022/042864

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2005069116 A1	31-03-2005	CN 1886977 A	27-12-2006
		CN 102938701 A	20-02-2013
		EP 1687965 A1	09-08-2006
		KR 20060100399 A	20-09-2006
		KR 20120039765 A	25-04-2012
		US 2005069116 A1	31-03-2005
		WO 2005034497 A1	14-04-2005
US 2003097217 A1	22-05-2003	NONE	

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 188 of 432

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To:

see form PCT/ISA/220

PCT

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43*bis*.1)

Date of mailing
(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference
see form PCT/ISA/220

FOR FURTHER ACTION
See paragraph 2 below

International application No.	International filing date *(day/month/year)*	Priority date *(day/month/year)*
PCT/US2022/042864	08.09.2022	10.09.2021

International Patent Classification (IPC) or both national classification and IPC
INV. H04L12/18 H04L51/046

Applicant
ZOOM VIDEO COMMUNICATIONS, INC.

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notifed the International Bureau under Rule 66.1*bis*(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

Name and mailing address of the ISA:	Date of completion of this opinion	Authorized Officer
European Patent Office P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk - Pays Bas Tel. +31 70 340 - 2040 Fax: +31 70 340 - 3016	see form PCT/ISA/210	Poggio, Francesca Telephone No. +31 70 340-0

Form PCT/ISA/237 (Cover Sheet) (July 2022)

Box No. I Basis of the opinion

1. With regard to the **language**, this opinion has been established on the basis of:

   ☑ the international application in the language in which it was filed.

   ☐ a translation of the international application into , which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1 (b)).

2. ☐ This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43*bis*.1(a))

3. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of a sequence listing:

   a. ☐ forming part of the international application as filed.

   b. ☐ furnished subsequent to the international filing date for the purposes of international search (Rule 13*ter*.1(a)),

      ☐ accompanied by a statement to the effect that the sequence listing does not go beyond the disclosure in the international application as filed.

4. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, this opinion has been established to the extent that a meaningful opinion could be formed without a WIPO Standard ST.26 compliant sequence listing.

5. Additional comments:

Box No. V Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes:	Claims	3, 4, 11, 12
	No:	Claims	1, 2, 5-10, 13-20
Inventive step (IS)	Yes:	Claims	
	No:	Claims	1-20
Industrial applicability (IA)	Yes:	Claims	1-20
	No:	Claims	

2. Citations and explanations

see separate sheet

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 190 of 432

Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1 Reference is made to the following documents:

D1 US 2005/069116 A1 (MURRAY F RANDALL [US]) 31 March 2005 (2005-03-31)

D2 Anonymous: "Is it possible to see who is in a currently running meeting without joining it yourself? - Microsoft Community Hub", , 18 November 2020 (2020-11-18), pages 1-5, XP093005369, Retrieved from the Internet: URL:https://techcommunity.microsoft.com/t5/microsoft-teams/is-it-possible-to-see-who-is-in-a-currently-running-meeting/m-p/1901024 [retrieved on 2022-12-06]

D3 US 2003/097217 A1 (WELLS CHARLES HILLIARY [US] ET AL) 22 May 2003 (2003-05-22)

2 The present application does not meet the criteria of Article 33(2) PCT, because the subject-matter of claim 1 is not new.

D1 discloses:

A method for conference messaging (abstract), comprising:
obtaining information associated with a conference that is in progress (par. 26), wherein the information includes a duration that a participant has been in the conference (par. 28: "When the conference call actually starts, such as when the chairperson joins the call, the MAS 106 could send to all of the identified participants an instant message indicating that the conference call has begun";
transmitting, to a client device, a graphical output to display on the client device, the graphical output based on the information (the layout of the provided information is not considered a technical feature, but a mere presentation detail);
prior to the client device joining the conference:
receiving a message from the client device to initiate a communication with a participant device that is present in the conference (par. 29 - 30); and
granting the client device access to an in-conference communication application associated with the conference in progress based on the message to communicate with the participant device (par. 29).

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 191 of 432

3 It is furthermore noted that even a different interpretation of D1 teaching or a slightly different formulation of claim 1 which could establish novelty, could not be sufficient for establishing the presence of any inventive step, as D1 discloses the same object (setting up a instant messaging channel associated to an online conference between the organiser of the conference before/without the participant joining the conference) and the same type of solution as the present application, and claim 1 would, even with such a difference in interpretation and/ or in formulation, would not meet the requirements of Article 33 (3) PCT.

4 In fact also D2 solves the very same problem addressed by the current application in par. 18-21 of the description, and this is a well-known feature of MS Teams, which is considered also common practice.

5 Independent claims 9 and 15 respectively relate to the system and the computer program adapted to perform the method of claim 1. The features of said claim, as explained above, are already known from document D1.

The same considerations outlined with respect to claim 1 are thus also valid for independent claims 9 and 15.

The subject-matter of independent claims 9 and 15, therefore, is not novel and does not involve an inventive step, so that the claims do not comply with the dispositions set out in Article 33 (2) and (3) PCT.

6 Dependent claims 2 to 8 and 10 to 14 and 16 to 20 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty and/or inventive step. The reasons being that the features of

- claims 2, 10 are by far too generic and easily derivable from the cited prior art documents D1 and D2;

- claims 5 to 8, 13 to 14 and 16 to 20 are fully anticipated by either D1, see in particular par. 30; and

- claims 3, 4, 11, 12 dealing with messages including specific content (ETA), are considered well-known in the art, such as shown by document D3.

Zoom Communications, Inc. v. Ricoh Company, Ltd.
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Information on Search Strategy - Pilot phase (see OJ 2015, A86)
The type of information contained in this sheet may change during the pilot for improving the usefulness of this new service.

Application Number
PCT/US2022/042864

TITLE: MESSAGING CONFERENCE PARTICIPANTS PRIOR TO JOINING A CONFERENCE

APPLICANT: ZOOM VIDEO COMMUNICATIONS, INC.

IPC CLASSIFICATION: H04L12/18, H04L51/046

EXAMINER: Poggio, Francesca

CONSULTED DATABASES: NPL, WPI, EPODOC

CLASSIFICATION SYMBOLS DEFINING EXTENT OF THE SEARCH:

IPC:

CPC: H04L12/1822, H04L51/046

FI/F-TERMS:

KEYWORDS OR OTHER ELEMENTS FEATURING THE INVENTION:
A method for conference messaging, comprising: obtaining information associated with a conference that is in progress, wherein the information includes a duration that a participant has been in the conference; transmitting, to a client device, a graphical output to display on the client device, the graphical output based on the information; prior to the client device joining the conference: receiving a message from the client device to initiate a communication with a participant device that is present in the conference; and granting the client device access to an in-conference communication application associated with the conference in progress based on the message to communicate with the participant device.

EPO FORM P04A42

Electronic Acknowledgement Receipt

EFS ID:	47207262
Application Number:	17472023
International Application Number:	
Confirmation Number:	2927
Title of Invention:	Previewing Conference Participants Prior To Joining A Conference
First Named Inventor/Applicant Name:	Nick Swerdlow
Customer Number:	177453
Filer:	Neil C. Maskeri/Jessica Tumblin
Filer Authorized By:	Neil C. Maskeri
Attorney Docket Number:	ZOOM-164-A
Receipt Date:	14-DEC-2022
Filing Date:	10-SEP-2021
Time Stamp:	15:00:59
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	Non Patent Literature	NPL2_XP93005369AI.pdf	102361 40533fb81e2c01f93b4efb621158e10fde771915	no	5

Warnings:

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 194 of 432

Information:					
2	Information Disclosure Statement (IDS) Form (SB08)	ZOOM164A_Information_Disclosure_Statement_Fillable_PDF_20221213.pdf	1263607 8183a396dce4108f8b8db952a1f6df5426491df0	no	4
Warnings:					
Information:					
3	Non Patent Literature	NPL_ZOOM164BWO_ISRWrittenOpinion_20221213.pdf	9118490 196f4354c9b8261079ab0620c8b8ca03a5919517	no	10
Warnings:					
Information:					
			Total Files Size (in bytes):	10484458	

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 (01-22)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17472023
Filing Date	2021-09-10
First Named Inventor	Nick Swerdlow
Art Unit	2458
Examiner Name	N. Naoreen
Attorney Docket Number	ZOOM-164-A

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	11488634		2022-11-01	Decrop et al.	
	2	11245735		2022-02-08	Kwatra et al.	
	3	11349679		2022-05-31	Laird-McConnell et al.	

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

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Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20150281149	A1	2015-10-01	Masterson et al.	
	2	20180039951	A1	2018-02-08	WYNN et al.	

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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]

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 196 of 432

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17472023
	Filing Date	2021-09-10
	First Named Inventor	Nick Swerdlow
	Art Unit	2458
	Examiner Name	N. Naoreen
	Attorney Docket Number	ZOOM-164-A

	1						

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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		

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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	17472023
	Filing Date	2021-09-10
	First Named Inventor	Nick Swerdlow
	Art Unit	2458
	Examiner Name	N. Naoreen
	Attorney Docket Number	ZOOM-164-A

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	/Neil C. Maskeri/	Date (YYYY-MM-DD)	2022-12-13
Name/Print	Neil C. Maskeri	Registration Number	61,591

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

Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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

Electronic Acknowledgement Receipt

EFS ID:	47197485
Application Number:	17472023
International Application Number:	
Confirmation Number:	2927
Title of Invention:	Previewing Conference Participants Prior To Joining A Conference
First Named Inventor/Applicant Name:	Nick Swerdlow
Customer Number:	177453
Filer:	Neil C. Maskeri/Jessica Tumblin
Filer Authorized By:	Neil C. Maskeri
Attorney Docket Number:	ZOOM-164-A
Receipt Date:	13-DEC-2022
Filing Date:	10-SEP-2021
Time Stamp:	14:28:01
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	Information Disclosure Statement (IDS) Form (SB08)	ZOOM164A_Information_Disclosure_Statement_Fillable_PDF_20221130.pdf	1263330 ac555f1a454276c587c0006e6f14df0102f68009	no	4

Warnings:

Information:	
Total Files Size (in bytes):	1263330

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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

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/472,023	09/10/2021	Nick Swerdlow	ZOOM-164-A	2927

177453 7590 10/14/2022

Zoom Video Communications, Inc. at Young Basile
3001 West Big Beaver Rd., Ste. 624
Troy, MI 48084

EXAMINER	
NAOREEN, NAZIA	

ART UNIT	PAPER NUMBER
2458	

NOTIFICATION DATE	DELIVERY MODE
10/14/2022	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):

docketing@youngbasile.com

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 202 of 432

Office Action Summary	Application No. 17/472,023	Applicant(s) Swerdlow, Nick	
	Examiner NAZIA NAOREEN	Art Unit 2458	AIA (FITF) Status Yes

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

Period for Reply

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

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

Status

1)☑ Responsive to communication(s) filed on 06/29/2022.

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

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

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

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

Disposition of Claims*

5) ☑ Claim(s) 1-20 is/are pending in the application.

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

6) ☐ Claim(s) _____ is/are allowed.

7) ☑ Claim(s) 1-20 is/are rejected.

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

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

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to **PPHfeedback@uspto.gov.**

Application Papers

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

11)☑ The drawing(s) filed on 09/10/2021 is/are: a)☑ accepted or b)☐ objected to by the Examiner.

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

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

Priority under 35 U.S.C. § 119

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

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

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

Attachment(s)

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

2) ☑ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date 04/06/2022 and 09/27/2022.

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

4) ☐ Other: _____.

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 203 of 432

DETAILED ACTION

Status of Claims:

1. Claims 1 – 20 are pending.

2. The previous rejection has been withdrawn.

Notice of Pre-AIA or AIA Status

3. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Information Disclosure Statement

4. The information disclosure statement (IDS) was submitted on 04/06/2022 and 09/27/2022. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Response to Arguments

5. Applicant's arguments in the amendments, filed 06/29/2022, have been fully considered and are persuasive. The previous rejection has been withdrawn.

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103 which forms the basis for all obviousness rejections set forth in this Office action:

> A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

7. The factual inquiries for establishing a background for determining obviousness under 35 U.S.C. 103 are summarized as follows:

1. Determining the scope and contents of the prior art.

2. Ascertaining the differences between the prior art and the claims at issue.

3. Resolving the level of ordinary skill in the pertinent art.

4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

8. Claims 1, 5 – 7, 9, and 13 – 17 are rejected under 35 U.S.C. 103 as being unpatentable over Reyes (US 10554728), in view of Burpee (US 20220141044), and further in view of Johar (US 9912777).

As per claim 1, Reyes discloses a method for displaying conference information, comprising:

… the panel interface having a first portion and a second portion, the first portion including an indicator that indicates a conference status associated with the conference **(Electronic meeting screen indicates general meetings and private meetings** *(first portion)* **that are currently in progress** *(conference status)* **… General meeting window includes content, participants** *(second portion)*, **content sharing controls, and meeting controls, See Col. 18, Lines 2 - 23** */ General meeting window is a graphical output with a panel interface including panels for general and private meetings, content, participants, content sharing controls, and meeting controls, See Fig. 5A*);

…

transmitting a second graphical output to the client device to display the participant information on the second portion of the panel interface **(The participants** *(second portion of panel interface)* **includes data that specifies the current participants of the meeting, See Col. 18, Lines 2 – 23** */ The general meeting window includes a participant panel which is a second portion of the interface transmitted to the client device*).

Reyes however does not expressly disclose:

transmitting, to a client device, a first graphical output based on calendar data for display on a panel interface associated with a conference.

Burpee discloses:

transmitting, to a client device, a first graphical output based on calendar data for display on a panel interface associated with a conference **(When a user accepts the meeting invite, they do so by interacting with their instance of the calendaring software client, which communicates this acceptance to the meeting server API via the corresponding instance of the calendaring software client plugin … A meeting server may retrieve the meeting details from the meeting server API and users (including potentially host) may join the meeting via their own instances of a meeting software client … It then acts to instruct the various instances of the meeting software clients to graphically display not only the users who have actually joined the meeting but also the attendees who have not yet joined, See ¶22 - 23)**, …

It would have been obvious to an artisan of ordinary skill in the art before the Applicant's effective filing date of the claimed invention to combine Burpee's teaching of transmitting a graphical output based on calendar data for display on a panel interface, along with a panel interface having a first portion and a second portion to improve Reyes' system. Both Reyes and Burpee disclose conferencing systems. Burpee's system includes a calendaring software client and a meeting server which are used to graphically display panels associated with the conference such as the attendee panels. The combination is an improvement upon the existing system because a graphical output based on calendar data can be transmitted for display on a panel interface as taught by Burpee, where the panel interface includes a first portion and a second portion as taught by Reyes, to allow a user to view the participants on the user's device before attending the conference.

The combination of Reyes and Burpee however does not expressly disclose:

prior to the client device joining the conference: receiving a request for participant information of the conference and determining the participant information based on the request.

Johar discloses:

prior to the client device joining the conference **(In some cases, a user only wants to see a list of participants who have joined the call but does not want to join the call (e.g., because the user**

wants, prior to joining the video call, to check whether the presenter or a manager is present, etc.), See Col. 16, Lines 27 - 52):

receiving a request for participant information of the conference **(User interface button is operable to retrieve detailed information on each of the participants in the virtual conversation (i.e., the user profiles to which the graphical identifiers correspond). Upon receiving a selection at the button** *(receiving a request)*, **the device generates interface as illustrated in FIG. 5C, See Col. 16, Lines 21 - 26)**;

determining the participant information based on the request **(The components advantageously provide a list of identifiers (e.g., graphical and textual) corresponding to each user involved in a virtual conversation and further illustrate (e.g., using visual effects) a measure of connectivity to the virtual conversation (e.g., whether the user is connected to a video call, whether the user is logged into the virtual meeting system), See Col. 16, Lines 27 - 52)**; and

It would have been obvious to an artisan of ordinary skill in the art before the Applicant's effective filing date of the claimed invention to combine Johar's teaching of receiving participant information prior to joining a conference and Burpee's teaching of transmitting a graphical output based on calendar data for display on a panel interface, along with a panel interface having a first portion and a second portion to improve Reyes' system. Reyes, Burpee, and Johar all disclose conferencing systems. Johar's system includes retrieving participant information prior to a user joining a conference or meeting. The combination is an improvement upon the existing system because a graphical output based on calendar data can be transmitted for display on a panel interface as taught by Burpee, where the panel interface includes a first portion and a second portion as taught by Reyes, where the a portion of the panel interface can further include participant information prior to joining a conference as taught by Johar, to allow a user to view the participants on the user's device before attending the conference.

As per claim 5, the method of claim 1, wherein the calendar data includes at least one of a description, a list of topics, a time, a location, a participant identifier, or a participant invite status (Reyes, **Collaboration**

client causes a meeting invitation to be sent to the collaboration client of each of the candidate participants, who may individually accept or decline the invitation *(participant invite status)*. **Collaboration client may interact with programs and applications, for example calendaring programs, to cause the meeting invitations to be generated, See Col. 21, Lines 1 - 17)**.

As per claim 6, the method of claim 1, wherein the participant information includes at least one of a participant attendance status, a participant preview status, a participant icon, a participant name, or a participant title **(**Reyes, **The participants** *(panel interface)* **includes data that specifies the current participants of the meeting, See Col. 18, Lines 2 – 23)**.

As per claim 7, the method of claim 1, wherein the conference status indicates that the conference is a future conference, the conference is in progress without participants, the conference is in progress with participants, or the conference has ended **(**Reyes, **Electronic meeting screen indicates general meetings and private meetings that are currently in progress** *(conference status)***, See Col. 18, Lines 2 – 23)**.

As per claim 9, Reyes discloses a system for displaying conference information, comprising:

….

a client device configured to display the first graphical output on a panel interface associated with a conference, the panel interface having a first portion and a second portion, the first portion including an indicator that indicates a conference status associated with the conference **(Electronic meeting screen indicates general meetings and private meetings** *(first portion)* **that are currently in progress** *(conference status)* **… General meeting window includes content, participants** *(second portion)***, content sharing controls, and meeting controls, See Col. 18, Lines 2 - 23** */ General meeting window is a graphical output with a panel interface including panels for general and private meetings, content, participants, content sharing controls, and meeting controls, See Fig. 5A***)**;

…

transmit a second graphical output to the client device **(The participants** *(second graphical output, See Fig. 5A)* **includes data that specifies the current participants of the meeting, See Col. 18, Lines 2 – 23)**; and

…

display the participant information on the second portion of the panel interface **(The participants** *(second portion of panel interface)* **includes data that specifies the current participants of the meeting, See Col. 18, Lines 2 – 23** */ The general meeting window includes a participant panel which is a second portion of the interface transmitted to the client device, See Fig. 5A*).

Reyes however does not expressly disclose:

a server configured to transmit a first graphical output based on calendar data.

Burpee discloses:

a server configured to transmit a first graphical output based on calendar data **(When a user accepts the meeting invite, they do so by interacting with their instance of the calendaring software client, which communicates this acceptance to the meeting server API via the corresponding instance of the calendaring software client plugin … A meeting server may retrieve the meeting details from the meeting server API and users (including potentially host) may join the meeting via their own instances of a meeting software client … It then acts to instruct the various instances of the meeting software clients to graphically display not only the users who have actually joined the meeting but also the attendees who have not yet joined, See ¶22 - 23)**; and

It would have been obvious to an artisan of ordinary skill in the art before the Applicant's effective filing date of the claimed invention to combine Burpee's teaching of transmitting a graphical output based on calendar data for display on a panel interface, along with a panel interface having a first portion and a second portion to improve Reyes' system. Both Reyes and Burpee disclose conferencing systems. Burpee's system includes a calendaring software client and a meeting server which are used to

graphically display panels associated with the conference such as the attendee panels. The combination is an improvement upon the existing system because a graphical output based on calendar data can be transmitted for display on a panel interface as taught by Burpee, where the panel interface includes a first portion and a second portion as taught by Reyes, to allow a user to view the participants on the user's device before attending the conference.

The combination of Reyes and Burpee however does not expressly disclose:

prior to the client device joining the conference, the server configured to: receive a request for participant information of the conference and determine the participant information based on the request prior to the client device joining the conference, the client device configured to: display the participant information.

Johar discloses:

prior to the client device joining the conference **(In some cases, a user only wants to see a list of participants who have joined the call but does not want to join the call (e.g., because the user wants, prior to joining the video call, to check whether the presenter or a manager is present, etc.), See Col. 16, Lines 27 - 52)**, the server configured to:

receive a request for participant information of the conference **(User interface button is operable to retrieve detailed information on each of the participants in the virtual conversation (i.e., the user profiles to which the graphical identifiers correspond). Upon receiving a selection at the button** *(receiving a request)***, the device generates interface as illustrated in FIG. 5C, See Col. 16, Lines 21 - 26)**;

determine the participant information based on the request **(The components advantageously provide a list of identifiers (e.g., graphical and textual) corresponding to each user involved in a virtual conversation and further illustrate (e.g., using visual effects) a measure of connectivity to the virtual conversation (e.g., whether the user is connected to a video call, whether the user is logged into the virtual meeting system), See Col. 16, Lines 27 - 52)**; and

…

prior to the client device joining the conference, the client device configured to: (*display the participant information)* (**In some cases, a user only wants to see a list of participants who have joined the call but does not want to join the call (e.g., because the user wants, prior to joining the video call, to check whether the presenter or a manager is present, etc.), See Col. 16, Lines 27 - 52)**.

It would have been obvious to an artisan of ordinary skill in the art before the Applicant's effective filing date of the claimed invention to combine Johar's teaching of receiving participant information prior to joining a conference and Burpee's teaching of transmitting a graphical output based on calendar data for display on a panel interface, along with a panel interface having a first portion and a second portion to improve Reyes' system. Reyes, Burpee, and Johar all disclose conferencing systems. Johar's system includes retrieving participant information prior to a user joining a conference or meeting. The combination is an improvement upon the existing system because a graphical output based on calendar data can be transmitted for display on a panel interface as taught by Burpee, where the panel interface includes a first portion and a second portion as taught by Reyes, where the a portion of the panel interface can further include participant information prior to joining a conference as taught by Johar, to allow a user to view the participants on the user's device before attending the conference.

As per claim 13, the system of claim 9, wherein the calendar data includes at least one of a description, a list of topics, a time, a location, a participant identifier, or a participant invite status **(**Reyes, **Collaboration client causes a meeting invitation to be sent to the collaboration client of each of the candidate participants, who may individually accept or decline the invitation** *(participant invite status)***. Collaboration client may interact with programs and applications, for example calendaring programs, to cause the meeting invitations to be generated, See Col. 21, Lines 1 - 17)**.

As per claim 14, the system of claim 9, wherein the participant information includes at least one of a participant attendance status, a participant preview status, a participant icon, a participant name, or a

participant title **(**Reyes, **The participants** *(panel interface)* **includes data that specifies the current participants of the meeting, See Col. 18, Lines 2 – 23)**.

As per claim 15, the system of claim 9, wherein the conference status indicates that the conference is a future conference, the conference is in progress without participants, the conference is in progress with participants, or the conference has ended **(**Reyes, **Electronic meeting screen indicates general meetings and private meetings that are currently in progress** *(conference status)***, See Col. 18, Lines 2 – 23)**.

As per claim 16, Reyes discloses a non-transitory computer-readable storage device including program instructions that, when executed by a processor, cause the processor to perform operations, the operations comprising:

the panel interface having a first portion and a second portion, the first portion including an indicator that indicates a conference status associated with the conference **(Electronic meeting screen indicates general meetings and private meetings** *(first portion)* **that are currently in progress** *(conference status)* **… General meeting window includes content, participants** *(second portion)***, content sharing controls, and meeting controls, See Col. 18, Lines 2 - 23** */ General meeting window is a graphical output with a panel interface including panels for general and private meetings, content, participants, content sharing controls, and meeting controls, See Fig. 5A***)**;

…

transmitting a second graphical output to the client device to display the participant information on the second portion of the panel interface **(The participants** *(second portion of panel interface)* **includes data that specifies the current participants of the meeting, See Col. 18, Lines 2 – 23** */ The general meeting window includes a participant panel which is a second portion of the interface transmitted to the client device***)**.

Reyes however does not expressly disclose:

transmitting, to a client device, a first graphical output based on calendar data for display on a panel interface associated with a conference.

Burpee discloses:

transmitting, to a client device, a first graphical output based on calendar data for display on a panel interface associated with a conference **(When a user accepts the meeting invite, they do so by interacting with their instance of the calendaring software client, which communicates this acceptance to the meeting server API via the corresponding instance of the calendaring software client plugin … A meeting server may retrieve the meeting details from the meeting server API and users (including potentially host) may join the meeting via their own instances of a meeting software client … It then acts to instruct the various instances of the meeting software clients to graphically display not only the users who have actually joined the meeting but also the attendees who have not yet joined, See ¶22 - 23)**, …

It would have been obvious to an artisan of ordinary skill in the art before the Applicant's effective filing date of the claimed invention to combine Burpee's teaching of transmitting a graphical output based on calendar data for display on a panel interface, along with a panel interface having a first portion and a second portion to improve Reyes' system. Both Reyes and Burpee disclose conferencing systems. Burpee's system includes a calendaring software client and a meeting server which are used to graphically display panels associated with the conference such as the attendee panels. The combination is an improvement upon the existing system because a graphical output based on calendar data can be transmitted for display on a panel interface as taught by Burpee, where the panel interface includes a first portion and a second portion as taught by Reyes, to allow a user to view the participants on the user's device before attending the conference.

The combination of Reyes and Burpee however does not expressly disclose:

prior to the client device joining the conference: receiving a request for participant information of the conference and determining the participant information based on the request.

Johar discloses:

prior to the client device joining the conference **(In some cases, a user only wants to see a list of participants who have joined the call but does not want to join the call (e.g., because the user wants, prior to joining the video call, to check whether the presenter or a manager is present, etc.), See Col. 16, Lines 27 - 52)**:

receiving a request for participant information of the conference **(User interface button is operable to retrieve detailed information on each of the participants in the virtual conversation (i.e., the user profiles to which the graphical identifiers correspond). Upon receiving a selection at the button** *(receiving a request)*, **the device generates interface as illustrated in FIG. 5C, See Col. 16, Lines 21 - 26)**;

determining the participant information based on the request **(The components advantageously provide a list of identifiers (e.g., graphical and textual) corresponding to each user involved in a virtual conversation and further illustrate (e.g., using visual effects) a measure of connectivity to the virtual conversation (e.g., whether the user is connected to a video call, whether the user is logged into the virtual meeting system), See Col. 16, Lines 27 - 52)**; and

It would have been obvious to an artisan of ordinary skill in the art before the Applicant's effective filing date of the claimed invention to combine Johar's teaching of receiving participant information prior to joining a conference and Burpee's teaching of transmitting a graphical output based on calendar data for display on a panel interface, along with a panel interface having a first portion and a second portion to improve Reyes' system. Reyes, Burpee, and Johar all disclose conferencing systems. Johar's system includes retrieving participant information prior to a user joining a conference or meeting. The combination is an improvement upon the existing system because a graphical output based on calendar data can be transmitted for display on a panel interface as taught by Burpee, where the panel interface includes a first portion and a second portion as taught by Reyes, where the a portion of the panel

interface can further include participant information prior to joining a conference as taught by Johar, to allow a user to view the participants on the user's device before attending the conference.

As per claim 17, the non-transitory computer-readable storage device of claim 16, wherein the participant information includes at least one of a participant attendance status, a participant preview status, a participant icon, a participant name, or a participant title **(**Reyes, **The participants** *(panel interface)* **includes data that specifies the current participants of the meeting, See Col. 18, Lines 2 – 23)**.

9. Claims 2 – 4, 10 – 12, and 18 – 20 are rejected under 35 U.S.C. 103 as being unpatentable over Reyes (US 10554728), in view of Burpee (US 20220141044), in view of Johar (US 9912777), and further in view of Berg (US 20120150577).

As per claim 2, the combination of Reyes, Burpee, and Johar discloses all limitations of claim 1.

The combination of Reyes, Burpee, and Johar however does not expressly disclose:

determining whether a high priority participant has joined the conference and transmitting a notification to the client device when the high priority participant has joined the conference.

Berg discloses:

the method of claim 1, comprising:

determining whether a high priority participant has joined the conference **(Notifications can include … an indication of particular meeting invitees that have already joined the meeting (e.g., notifying a meeting invitee that his or her boss** *(high priority participant)* **has already joined the meeting), See ¶63)**; and

transmitting a notification to the client device when the high priority participant has joined the conference **(Notifications can include … an indication of particular meeting invitees that have already joined the meeting (e.g., notifying a meeting invitee that his or her boss** *(high priority participant)* **has already joined the meeting), See ¶63)**.

It would have been obvious to an artisan of ordinary skill in the art before the Applicant's effective filing date of the claimed invention to combine Berg's teaching of transmitting a notification based on a high priority participant, Johar's teaching of receiving participant information prior to joining a conference, and Burpee's teaching of transmitting a graphical output based on calendar data for display on a panel interface, along with a panel interface having a first portion and a second portion to improve Reyes' system. Reyes, Johar, Burpee, and Berg all disclose conferencing systems. Berg's system includes receiving a notification based on determining that a invitee's boss or a high priority participant has joined the meeting. The combination is an improvement upon the existing system because a graphical output based on calendar data can be transmitted for display on a panel interface as taught by Burpee, where the panel interface includes a first portion and a second portion as taught by Reyes, where the a portion of the panel interface can further include participant information prior to joining a conference as taught by Johar, where the participant can be a high priority participant to whom a notification can be transmitted as taught by Berg, to allow a user to view the participants on the user's device before attending the conference.

As per claim 3, the method of claim 2, wherein the high priority participant is determined based on an organizational chart relative to an organizational position of a user of the client device (Berg, **Information is provided by another service or module that maintains a record of relationships involving meeting invitees (e.g., an employee organizational chart or record for a company or business unit, a record of which users are participating in or are members of which projects, and so forth), See ¶33)**.

The combination of Reyes, Burpee, and Johar fails to teach wherein the high priority participant is determined based on an organizational chart relative to an organizational position of a user of the client device. In the same field of endeavor, Berg teaches an employee organizational chart that maintains relationship records. It would have been obvious before the effective filing date of the claimed invention to further modify Reyes, Burpee, and Johar to include Berg's teaching of an organizational chart to

determine a high priority participant, to allow users to be notified of the participants prior to joining the conference.

As per claim 4, the method of claim 2, wherein the high priority participant is based on a preference of a user of the client device (Berg, **Meeting lifecycle management service also maintains contact information for the meeting invitees … In one or more embodiments, this contact information for the meeting invitees is the contact information provided by the user** *(preference of a user)* **in scheduling the meeting (e.g., an email address) and sending out a meeting request to the meeting invitees … In one or more embodiments, this information is provided by another service or module that maintains a record of relationships** *(determines high priority participant)* **involving meeting invitees, See ¶33)**.

The combination of Reyes, Burpee, and Johar fails to teach wherein the high priority participant is based on a preference of a user of the client device. In the same field of endeavor, Berg teaches determining participants from a user's contact information which would maintain a record of the relationship and determine if the participant is a high priority participant based on the user's preference. It would have been obvious before the effective filing date of the claimed invention to further modify Reyes, Burpee, and Johar to include Berg's teaching of a high priority participant based on a user preference, to allow users to be notified of the participant prior to joining the meeting.

As per claim 10, the system of claim 9, wherein the server is configured to:

determine whether a high priority participant has joined the conference (Berg, **Notifications can include … an indication of particular meeting invitees that have already joined the meeting (e.g., notifying a meeting invitee that his or her boss** *(high priority participant)* **has already joined the meeting), See ¶63)**; and

transmit a notification to the client device when the high priority participant has joined the conference (Berg, **Notifications can include … an indication of particular meeting invitees that have**

already joined the meeting (e.g., notifying a meeting invitee that his or her boss *(high priority participant)* **has already joined the meeting), See ¶63)**.

As per claim 11, the system of claim 10, wherein the server is configured to: determine the high priority participant based on an organizational chart relative to an organizational position of a user of the client device (Berg, **Information is provided by another service or module that maintains a record of relationships involving meeting invitees (e.g., an employee organizational chart or record for a company or business unit, a record of which users are participating in or are members of which projects, and so forth), See ¶33)**.

As per claim 12, the system of claim 10, wherein the high priority participant is based on a preference of a user of the client device (Berg, **Meeting lifecycle management service also maintains contact information for the meeting invitees … In one or more embodiments, this contact information for the meeting invitees is the contact information provided by the user** *(preference of a user)* **in scheduling the meeting (e.g., an email address) and sending out a meeting request to the meeting invitees … In one or more embodiments, this information is provided by another service or module that maintains a record of relationships** *(determines high priority participant)* **involving meeting invitees, See ¶33)**.

As per claim 18, the non-transitory computer-readable storage device of claim 16, wherein the program instructions, when executed by the processor, cause the processor to perform operations, the operations comprising:

determining whether a high priority participant has joined the conference (Berg, **Notifications can include … an indication of particular meeting invitees that have already joined the meeting (e.g., notifying a meeting invitee that his or her boss** *(high priority participant)* **has already joined the meeting), See ¶63)**; and

transmitting a notification to the client device when the high priority participant has joined the conference (Berg, **Notifications can include … an indication of particular meeting invitees that have**

already joined the meeting (e.g., notifying a meeting invitee that his or her boss *(high priority participant)* **has already joined the meeting), See ¶63)**.

As per claim 19, the non-transitory computer-readable storage device of claim 18, wherein the high priority participant is determined based on an organizational chart relative to an organizational position of a user of the client device **(**Berg, **Information is provided by another service or module that maintains a record of relationships involving meeting invitees (e.g., an employee organizational chart or record for a company or business unit, a record of which users are participating in or are members of which projects, and so forth), See ¶33)**.

As per claim 20, the non-transitory computer-readable storage device of claim 18, wherein the high priority participant is based on a preference of a user of the client device **(**Berg, **Meeting lifecycle management service also maintains contact information for the meeting invitees … In one or more embodiments, this contact information for the meeting invitees is the contact information provided by the user** *(preference of a user)* **in scheduling the meeting (e.g., an email address) and sending out a meeting request to the meeting invitees … In one or more embodiments, this information is provided by another service or module that maintains a record of relationships** *(determines high priority participant)* **involving meeting invitees, See ¶33)**.

10. Claim 8 is rejected under 35 U.S.C. 103 as being unpatentable over Reyes (US 10554728), in view of Burpee (US 20220141044), in view of Johar (US 9912777), and further in view of Nelson (US 9699411).

As per claim 8, the combination of Reyes, Burpee, and Johar disclose all limitations of claim 1.

The combination of Reyes, Burpee, and Johar however does not expressly disclose:

wherein the panel interface is a persistent panel interface that remains on top of a display of the client device.

Nelson discloses:

the method of claim 1, wherein the panel interface is a persistent panel interface that remains on top of a display of the client device **(Application manager ensures that interactive whiteboard session window is topmost on interactive whiteboard display** *(persistent panel interface)*. **This may include, for example, determining an operating system-level identification of the interactive whiteboard session window and then invoking one or more functions in OS to cause the interactive whiteboard session window to remain on top, See Col. 6, Lines 1 - 15)**.

It would have been obvious to an artisan of ordinary skill at the time of the Applicant's filing date to combine Nelson's teaching of a persistent panel interface that remains on top of a display and transmits a notification based on a high priority participant, Johar's teaching of receiving participant information prior to joining a conference, and Burpee's teaching of transmitting a graphical output based on calendar data for display on a panel interface, along with a panel interface having a first portion and a second portion to improve Reyes' system. Reyes, Burpee, Johar, and Nelson all disclose conferencing systems. Nelson's system includes an interactive whiteboard window which can include a panel interface that always remains on top of the display. The combination is an improvement upon the existing system because a graphical output based on calendar data can be transmitted for display on a panel interface as taught by Burpee, where the panel interface includes a first portion and a second portion as taught by Reyes, where the a portion of the panel interface can further include participant information prior to joining a conference as taught by Johar, where the panel interface can be a persistent panel interface that remains on top of a display and transmits a notification based on a high priority participant as taught by Nelson, to allow a user to view the participants on the user's device before attending the conference.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NAZIA NAOREEN whose telephone number is (571)270-7282. The examiner can normally be reached M-F: 9:00 - 6:00.

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, Kevin Bates can be reached on 571-272-3980. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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/NAZIA NAOREEN/
Examiner, Art Unit 2458

Notice of References Cited	Application/Control No. 17/472,023	Applicant(s)/Patent Under Reexamination Swerdlow, Nick	
	Examiner NAZIA NAOREEN	Art Unit 2458	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-10554728-B2	02-2020	Reyes; Alex	H04L67/06	1/1
*	B	US-20220141044-A1	05-2022	Burpee; Eli	G06Q10/1093	709/204
*	C	US-9912777-B2	03-2018	Johar; Sahiba Singh	H04L67/306	1/1
*	D	US-20120150577-A1	06-2012	Berg; Jeffrey S.	G06Q10/0631	705/342
*	E	US-9699411-B2	07-2017	Nelson; Steven	H04M3/567	1/1
	F					
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FOREIGN PATENT DOCUMENTS

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	N					
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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/472,023	Swerdlow, Nick
	Examiner	Art Unit
	NAZIA NAOREEN	2458

CPC - Searched*		
Symbol	**Date**	**Examiner**
H04L12/1818	03/26/2022	NN
G06F3/048	03/26/2022	NN
G06Q10/1095	03/26/2022	NN
H04L12/1822	03/26/2022	NN
Updated Search	10/07/2022	NN

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**

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Search Notes		
Search Notes	**Date**	**Examiner**
Inventor and Assignee	03/26/2022	NN
PE2ESEARCH (US-PGPUB, USPAT, USOCR, FIT, FPRS, EPO, JPO, DERWENT, IBM TDB)	03/26/2022	NN
Classification and Double Patenting	03/26/2022	NN
IP.com search, Google Scholar search	03/26/2022	NN
Updated Search, IP.com search, Google Scholar search	10/07/2022	NN

/NAZIA NAOREEN/ Examiner, Art Unit 2458	

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/472,023	Swerdlow, Nick
	Examiner	Art Unit
	NAZIA NAOREEN	2458

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

/NAZIA NAOREEN/ Examiner, Art Unit 2458	

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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/472,023	Swerdlow, Nick
	Examiner	**Art Unit**
	NAZIA NAOREEN	2458

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

CLAIMS

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

CLAIM		DATE								
Final	Original	03/26/2022	10/07/2022							
	1	✓	✓							
	2	✓	✓							
	3	✓	✓							
	4	✓	✓							
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	18	✓	✓							
	19	✓	✓							
	20	✓	✓							

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

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17472023
Filing Date	2021-09-10
First Named Inventor	Nick Swerdlow
Art Unit	2458
Examiner Name	N. Naoreen
Attorney Docket Number	ZOOM-164-A

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Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	8589487		2013-11-19	Reeves et al.	

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17472023
	Filing Date	2021-09-10
	First Named Inventor	Nick Swerdlow
	Art Unit	2458
	Examiner Name	N. Naoreen
	Attorney Docket Number	ZOOM-164-A

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EXAMINER SIGNATURE

Examiner Signature	/NAZIA NAOREEN/	Date Considered	10/07/2022

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

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99**)	Application Number	17472023
	Filing Date	2021-09-10
	First Named Inventor	Nick Swerdlow
	Art Unit	2458
	Examiner Name	N. Naoreen
	Attorney Docket Number	ZOOM-164-A

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	/Neil C. Maskeri/	Date (YYYY-MM-DD)	2022-09-27
Name/Print	Neil C. Maskeri	Registration Number	61,591

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

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

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.C./ Examiner, Art Unit 2458

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L108	37	(conference OR meeting) AND calendar$3 SAME graphical output	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:41 AM
L109	427	calendar$3 SAME (graphical OR gui) AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:47 AM
L110	30	("20030189601"|"20070239827"|"20110107228"|"6853398"|"7603412"|"9165290").PN.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L111	0	(H04L12/1818 AND G06F3/048 AND G06Q10/1095 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU,	ADJ	ON	ON	2022/10/07 11:37 PM

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			CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L112	45	(H04L12/1818 AND G06F3/048).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L113	3	(H04L12/1818 AND G06F3/048 AND G06Q10/1095).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L114	2561	(H04L12/1818 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN,	ADJ	ON	ON	2022/10/07 11:37 PM

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			WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L115	0	interface SAME panel(H04L12/1818 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L116	183	interface SAME panel AND (H04L12/1818 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L117	10	interface SAME panel SAME status AND (H04L12/1818 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L118	457	interface SAME panel SAME status SAME participant	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	ADJ	ON	ON	2022/10/07 11:37 PM

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			HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L119	0	interface SAME panel SAME status SAME participant AND web ex	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L120	11	interface SAME panel AND web ex	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L121	5	(interface OR ui OR gui) SAME conference status SAME participant information	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	ADJ	ON	ON	2022/10/07 11:37 PM

			IBM_TDB)				
L122	0	(interface OR ui OR gui) SAME conference status SAME participant i	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L123	91	(interface OR ui OR gui) SAME conference status SAME participant	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L124	51	(conference OR meeting) window SAME progress SAME participant	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L125	51	high priority participant	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	ADJ	ON	ON	2022/10/07 11:37 PM

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			MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L126	2	high priority near5 participant near5 join$3	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L127	10	high priority near5 participant SAME join$3	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L128	56	priority near5 participant near5 join$3	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L129	8	priority participant near5	(US-PGPUB; USPAT;	ADJ	ON	ON	2022/10/07

		join$3	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				11:37 PM
L130	2	priority participant near5 notification	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L131	12	priority participant SAME notification	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L132	24	priority participant SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL,	ADJ	ON	ON	2022/10/07 11:37 PM

			PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L133	36	important (participant OR person OR user OR attendee) SAME join$3 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L134	15	(important OR high priority) SAME join$3 SAME notif$7 AND organization$2 near5 (chart OR poisition)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L135	25	(important OR high priority) SAME join$3 SAME notif$7 AND organization$2 near5 (chart OR position)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L136	40	(important OR high priority) SAME join$3 SAME notif$7 AND	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY,	ADJ	ON	ON	2022/10/07 11:37 PM

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		organization$2 near5 (chart OR position OR role)	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L137	10	(important OR high priority) SAME join$3 SAME notif$7 SAME organization$2 near5 (chart OR position OR role)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L138	24	(important OR high priority) NEAR (position OR role) SAME join$3 SAME notif$7 AND organization	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L139	102	(important OR high priority) NEAR (position OR role) SAME join$3 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH,	ADJ	ON	ON	2022/10/07 11:37 PM

			TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L140	485	organization SAME (position OR role) SAME join$3 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L141	1	organization SAME (position OR role) SAME join$3 SAME notif$7 AND (H04L12/1818 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L142	85	organization SAME (position OR role) SAME join$3 SAME notif$7 SAME (meeting OR conference)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L143	457	organization SAME (position OR role) AND join$3 SAME notif$7 SAME (meeting OR conference)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	ADJ	ON	ON	2022/10/07 11:37 PM

			EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L144	478	(important OR high priority) NEAR (participant OR person OR user OR attendee OR position OR role) SAME atten$4 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L145	4	(important OR high priority) NEAR (participant OR person OR user OR attendee OR position OR role) SAME atten$4 SAME notif$7 AND (H04L12/1818 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L146	9	(important OR high priority) NEAR (participant OR person OR user OR attendee OR position OR role) SAME atten$4 SAME notif$7 AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO;	ADJ	ON	ON	2022/10/07 11:37 PM

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			JPO; DERWENT; IBM_TDB)				
L147	71	(important OR high priority) NEAR (participant OR person OR user OR attendee OR position OR role) SAME atten$4 SAME notif$7 SAME (meeting OR conference)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L148	310	(important OR high priority) (participant OR person OR user OR attendee OR position OR role) SAME atten$4 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L149	301	(important OR high priority) (participant OR person OR user OR attendee OR position OR role) SAME (meeting OR conference) SAME (notif$7 OR alert$3)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L150	21	(boss OR supervisor OR director OR ceo OR senior) SAME join$3 SAME notif$7 AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	ADJ	ON	ON	2022/10/07 11:37 PM

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			IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L151	897	(boss OR supervisor OR director OR ceo OR senior) SAME join$3 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L152	0	(boss OR supervisor OR director OR ceo OR senior) SAME join$3 SAME notif$7 AND orgnaization$2 NEAR chart	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L153	0	(boss OR supervisor OR director OR ceo OR senior) SAME join$3 SAME notif$7 AND orgnaization$2 SAME chart	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM

L154	6	(boss OR supervisor OR director OR ceo OR senior) near5 join$3 near5 (meeting OR conference) SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L155	9	(boss OR supervisor OR director OR ceo OR senior) SAME join$3 SAME notif$7 AND organizational chart	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L156	6	organizational chart SAME join$3 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L157	59	organizational chart AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL,	ADJ	ON	ON	2022/10/07 11:37 PM

			NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L158	0	persistent panel interface	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L159	28	persistent panel	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L160	90	(user interface OR ui OR gui) SAME first portion SAME second portion AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L161	15	(user interface OR ui OR gui) SAME	(US-PGPUB; USPAT; USOCR; FIT (AP, AT,	ADJ	ON	ON	2022/10/07 11:37 PM

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		participant panel AND (H04L12/1818 OR H04L12/1822).cpc.	AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L162	59	(user interface OR ui OR gui) SAME participant panel AND (conference OR meeting)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L163	4	participant panel SAME status panel AND (conference OR meeting)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L164	0	participant panel SAME conference status AND (conference OR meeting)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE,	ADJ	ON	ON	2022/10/07 11:37 PM

			SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L165	0	participant panel SAME meeting status AND (conference OR meeting)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L166	556	(client OR user OR participant OR attendee) near5 yet NEAR join$3 AND request	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L167	203	(client OR user OR participant OR attendee) near5 yet NEAR join$3 AND request near5 information	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L168	14	(client OR user OR participant OR attendee) near5 yet NEAR join$3 SAME	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	ADJ	ON	ON	2022/10/07 11:37 PM

		request near5 information	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L169	144	(client OR user OR participant OR attendee) near5 yet NEAR join$3 SAME request	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L170	6	(client OR user OR participant OR attendee) near5 yet NEAR join$3 SAME display$3 near5 who	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L171	226	(client OR user OR participant OR attendee) near5 yet NEAR join$3 SAME who	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN,	ADJ	ON	ON	2022/10/07 11:37 PM

			WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L172	0	(client OR user OR participant OR attendee) near5 yet NEAR join$3 SAME who NEAR joined	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L173	125	(client OR user OR participant OR attendee) near5 yet NEAR join$3 SAME who near5 joined	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L174	17	prior near5 (client OR user OR participant OR attendee) near5 join$3 SAME who near5 joined	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L175	416	prior near5 join$3 SAME (view$3 OR see$3) near5 (client OR user OR participant OR attendee)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	ADJ	ON	ON	2022/10/07 11:37 PM

			HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L176	77	prior near5 join$3 SAME (view$3 OR see$3) near5 (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L177	35	prior near5 join$3 SAME (view$3 OR see$3) NEAR list	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L178	3	prior near5 join$3 SAME (view$3 OR see$3) NEAR list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	ADJ	ON	ON	2022/10/07 11:37 PM

			IBM_TDB)				
L179	13	prior near5 join$3 SAME list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L180	50	before near5 join$3 SAME list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L181	8	before NEAR join$3 SAME list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L182	10	yet near5 join$3 near5 list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	ADJ	ON	ON	2022/10/07 11:37 PM

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			MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L183	0	panel interfacea AND list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L184	15	panel interface AND list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L185	29	interface near5 top NEAR display AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L186	1	gui near5 top NEAR	(US-PGPUB; USPAT;	ADJ	ON	ON	2022/10/07

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		display AND (H04L12/1818 OR H04L12/1822).cpc.	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				11:37 PM
L187	0	alway NEAR top NEAR display AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L188	0	always NEAR top NEAR display AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L189	5	persistent near5 top NEAR display AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL,	ADJ	ON	ON	2022/10/07 11:37 PM

			PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L190	17	(conference OR virtual meeting OR collaboration) AND persistent near5 top NEAR display	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L191	3520	(conference OR virtual meeting OR collaboration) AND persistent near5 (interface OR gui OR ui)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L192	648	(conference OR virtual meeting OR collaboration) AND persistent NEAR (interface OR gui OR ui)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L193	48	persistent NEAR (interface OR gui OR ui) AND (H04L12/1818 OR	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY,	ADJ	ON	ON	2022/10/07 11:37 PM

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		H04L12/1822).cpc.	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L194	0	persistent NEAR (interface OR gui OR ui) NEAR top AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L195	21	persistent SAME (interface OR gui OR ui) SAME top AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L196	15	persistent near5 top AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH,	ADJ	ON	ON	2022/10/07 11:37 PM

			TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L197	7	alway NEAR top AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L198	0	peristent NEAR panel AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L199	0	persistent NEAR panel AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L200	0	(conference OR virtual meeting OR collaboration) AND persistent NEAR persistent NEAR panel	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	ADJ	ON	ON	2022/10/07 11:37 PM

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			EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L201	19	(conference OR virtual meeting OR collaboration) AND persistent NEAR panel	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L202	509	(conference OR virtual meeting OR collaboration) AND persistent NEAR5 window	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L203	15	persistent NEAR5 window AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO;	ADJ	ON	ON	2022/10/07 11:37 PM

			JPO; DERWENT; IBM_TDB)				
L204	4	(conference OR virtual meeting OR collaboration) AND persistent NEAR5 window near5 top	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L205	43	(conference OR virtual meeting OR collaboration) AND persistent NEAR5 window SAME top	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L206	5037	(conference OR virtual meeting OR collaboration) AND (sits OR stays) NEAR top	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L207	36	(sits OR stays) NEAR top AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	ADJ	ON	ON	2022/10/07 11:37 PM

			HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L208	26	persistent NEAR display AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L209	12	remains NEAR top AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L210	186	preference near5 priority near5 participant	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	ADJ	ON	ON	2022/10/07 11:37 PM

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			IBM_TDB)				
L211	11	preference near5 priority near5 participant AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L212	2	high priority near5 participant near5 preference	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/07 11:37 PM
L213	1	((("SWERDLOW") near3 ("Nick"))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	ADJ	ON	ON	2022/10/07 11:37 PM
L214	47	((("ZOOM") near3 ("VIDEO") near3 ("COMMUNICATIONS") near3 ("INC"))).AS,AANM.	(USPAT)	ADJ	ON	ON	2022/10/07 11:37 PM
L215	1	L105 AND L106	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT;	ADJ	ON	ON	2022/10/07 11:37 PM

			IBM_TDB)				

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 260 of 432

Web Search History

date, time	web site	search string
10/7/2022 11:27:19 PM	Google Scholar	panel interface and first portion and second portion
10/7/2022 11:32:39 PM	Google Scholar	interface and panel and conference status and participant information
10/7/2022 11:37:03 PM	Google Scholar	high priority participant and notification and organization
10/7/2022 11:40:31 PM	Google Scholar	high priority participant and notification and user preference
10/7/2022 11:48:01 PM	Google Scholar	persistent panel interface and remains on top of display

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 261 of 432

Search History

Report Run Date: 2022-10-08 UTC
Searches: 5
Markers: 0

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 262 of 432

Search #	Timestamp	Results	Page
1	2022-10-08 03:27 UTC	16,229,626	3
2	2022-10-08 03:32 UTC	3,929,023	4
3	2022-10-08 03:37 UTC	9,095,988	4
4	2022-10-08 03:40 UTC	14,877,647	4
5	2022-10-08 03:47 UTC	2,165,844	4

Zoom Communications, Inc. v. Ricoh Company, Ltd.
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Content: Patents + NPL (190)

US Patents | US Designs | US Applications | EPO Patents | EPO Applications | China Patents | China Applications | Japan Patents | Japan Applications | Korea Patents | Korea Applications | WIPO Applications | Argentina Patents | Argentina Applications | Brazil Patents | Brazil Applications | Canada Patents | Canada Applications | Chile Patents | Chile Applications | Colombia Applications | Costa Rica Applications | Cuba Patents | Cuba Applications | Dominican Republic Applications | Ecuador Patents | Ecuador Applications | El Salvador Applications | Guatemala Applications | Honduras Applications | Mexico Patents | Mexico Applications | Nicaragua Patents | Panama Applications | Peru Applications | Trinidad & Tobago Patents | Uruguay Applications | Austria Patents | Austria Applications | Belarus Patents | Belgium Patents | Belgium Applications | Bosnia & Herzegovina Patents | Bosnia & Herzegovina Applications | Bulgaria Patents | Bulgaria Applications | Croatia Patents | Croatia Applications | Czech Republic Patents | Czech Republic Applications | Czechoslovakia Patents | Czechoslovakia Applications | Denmark Patents | Denmark Applications | Estonia Patents | Estonia Applications | EUIPO Patents | Finland Patents | Finland Applications | France Patents | France Applications | Germany Patents | Germany Applications | Great Britain Patents | Great Britain Applications | Greece Patents | Greece Applications | Hungary Patents | Hungary Applications | Iceland Patents | Iceland Applications | Ireland Patents | Ireland Applications | Italy Patents | Italy Applications | Latvia Patents | Latvia Applications | Lithuania Patents | Lithuania Applications | Luxembourg Patents | Malta Patents | Monaco Patents | Montenegro Patents | Montenegro Applications | Netherlands Patents | Netherlands Applications | Norway Patents | Norway Applications | Poland Patents | Poland Applications | Portugal Patents | Portugal Applications | Republic of Moldova Patents | Republic of Moldova Applications | Romania Patents | Romania Applications | San Marino Patents | San Marino Applications | Serbia Patents | Serbia Applications | Slovakia Patents | Slovakia Applications | Slovenia Patents | Spain Patents | Spain Applications | Sweden Patents | Sweden Applications | Switzerland Patents | Switzerland Applications | Ukraine Patents | Yugoslavia/Serbia and Montenegro Patents | Yugoslavia/Serbia and Montenegro Applications | Armenia Patents | Australia Patents | Australia Applications | Cyprus Patents | Gulf Cooperation Council Patents | Hong Kong Patents | India Patents | India Applications | Indonesia Patents | Indonesia Applications | Israel Applications | Jordan Patents | Jordan Applications | Kyrgyzstan Patents | Macao Applications | Malaysia Patents | Mongolia Patents | New Zealand Patents | Philippines Patents | Philippines Applications | Saudi Arabia Patents | Saudi Arabia Applications | Singapore Patents | Singapore Applications | Taiwan Patents | Taiwan Applications | Tajikistan Patents | Tajikistan Applications | Thailand Patents | Thailand Applications | Uzbekistan Patents | Vietnam Patents | Algeria Patents | ARIPO Patents | ARIPO Applications | Egypt Patents | Kenya Patents | Malawi Patents | Morocco Patents | Morocco Applications | OAPI Patents | South Africa Patents | Tunisia Applications | Zambia Patents | Zimbabwe Patents | EAPO Patents | EAPO Applications | Georgia Patents | Georgia Applications | Kazakhstan Patents | Kazakhstan Applications | Russia Patents | Russia Applications | Turkey Patents | Turkey Applications | IEEE Xplore Publications: IEEE Periodicals | IEEE Xplore Publications: IEEE Conferences | IEEE Xplore Publications: IEEE Standards | IEEE Xplore Publications: IEEE Early Access | IEEE Xplore Publications: SMPTE Periodicals | IEEE Xplore Publications: SMPTE Conferences | IEEE Xplore Publications: SMPTE Standards | IEEE Xplore Publications: MIT Press eBooks | IEEE Xplore Publications: Wiley-IEEE eBooks | IEEE Xplore Publications: IBM Periodicals | IEEE Xplore Publications: URSI Periodicals | IEEE Xplore Publications: VDE Conferences | IEEE Xplore Publications: Periodicals from China | IP.com Prior Art Database: The IP.com Journal | IP.com Prior Art Database: Internet Society RFC | IP.com Prior Art Database: IBM TDB Archive | IP.com Prior Art Database: Legacy Journals | IP.com Prior Art Database: Software Patent Institute | OnePetro.org: Periodicals at OnePetro.org | OnePetro.org: Conferences at OnePetro.org | Other Literature: IBM Redbooks | Other Literature: PubMed Central | Other Literature: arXiv.org

1 **2022-10-08 03:27 UTC | 16,229,626 results from**

De-Dup: None | **Cut-off:** None | **Sort:** Relevance

Main Concept: Text
panel interface and first portion and second portion

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 264 of 432

Concept Modifiers: None

Filters: None

2 **2022-10-08 03:32 UTC | 3,929,023 results from**

De-Dup: None | **Cut-off:** None | **Sort:** Relevance

Main Concept: Text
interface and panel and conference status and participant information

Concept Modifiers: None

Filters: None

3 **2022-10-08 03:37 UTC | 9,095,988 results from**

De-Dup: None | **Cut-off:** None | **Sort:** Relevance

Main Concept: Text
high priority participant and notification and organization

Concept Modifiers: None

Filters: None

4 **2022-10-08 03:40 UTC | 14,877,647 results from**

De-Dup: None | **Cut-off:** None | **Sort:** Relevance

Main Concept: Text
high priority participant and notification and user preference

Concept Modifiers: None

Filters: None

5 **2022-10-08 03:47 UTC | 2,165,844 results from**

De-Dup: None | **Cut-off:** None | **Sort:** Relevance

Main Concept: Text
persistent panel interface and remains on top of display

Concept Modifiers: None

Filters: None

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 265 of 432

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

PTO/SB/08a (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17472023
Filing Date	2021-09-10
First Named Inventor	Nick Swerdlow
Art Unit	2458
Examiner Name	Nazia Naoreen
Attorney Docket Number	ZOOM-164-A

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	11144887		2021-10-12	Wender	

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

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20100153160	A1	2010-06-17	BEZEMER et al.	
	2	20150088572	A1	2015-03-26	Mai et al.	

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

FOREIGN PATENT DOCUMENTS Remove

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

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NON-PATENT LITERATURE DOCUMENTS Remove

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Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 266 of 432

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17472023
	Filing Date	2021-09-10
	First Named Inventor	Nick Swerdlow
	Art Unit	2458
	Examiner Name	Nazia Naoreen
	Attorney Docket Number	ZOOM-164-A

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]
	1		

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

EXAMINER SIGNATURE

Examiner Signature	/NAZIA NAOREEN/	Date Considered	10/07/2022

*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.

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 267 of 432

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17472023
Filing Date	2021-09-10
First Named Inventor	Nick Swerdlow
Art Unit	2458
Examiner Name	Nazia Naoreen
Attorney Docket Number	ZOOM-164-A

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	/Neil C. Maskeri/	Date (YYYY-MM-DD)	2022-04-06
Name/Print	Neil C. Maskeri	Registration Number	61,591

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.**

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 268 of 432

ALL REFERENCES CONSIDERED EXCEPT WHERE [illegible]

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.

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

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.

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 269 of 432

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED-THROUGH.

Bibliographic Data

Application No: 17/472,023

Foreign Priority claimed: ○ Yes ◉ No

35 USC 119 (a-d) conditions met: ☐ Yes ☑ No ☐ Met After Allowance

Verified and Acknowledged: /NAZIA NAOREEN/ Examiner's Signature | Initials

Title: Previewing Conference Participants Prior To Joining A Conference

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FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
09/10/2021	709	2458	ZOOM-164-A
RULE			

APPLICANTS

Zoom Video Communications, Inc., San Jose, CA, UNITED STATES

INVENTORS

Nick Swerdlow, Santa Clara, CA, UNITED STATES

CONTINUING DATA

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

09/21/2021

STATE OR COUNTRY

UNITED STATES

ADDRESS

Zoom Video Communications, Inc. at Young Basile
3001 West Big Beaver Rd., Ste. 624
Troy, MI 48084
UNITED STATES

FILING FEE RECEIVED

$1,820

PTO/SB/08a (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17472023
Filing Date	2021-09-10
First Named Inventor	Nick Swerdlow
Art Unit	2458
Examiner Name	N. Naoreen
Attorney Docket Number	ZOOM-164-A

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	8589487		2013-11-19	Reeves et al.	

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

U.S.PATENT APPLICATION PUBLICATIONS Remove

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

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 271 of 432

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17472023
	Filing Date	2021-09-10
	First Named Inventor	Nick Swerdlow
	Art Unit	2458
	Examiner Name	N. Naoreen
	Attorney Docket Number	ZOOM-164-A

	1	

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

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

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

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

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	Attorney Docket Number	ZOOM-164-A

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☒ See attached certification statement.

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

A certification statement is not submitted herewith.

SIGNATURE

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

Signature	/Neil C. Maskeri/	Date (YYYY-MM-DD)	2022-09-27
Name/Print	Neil C. Maskeri	Registration Number	61,591

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

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

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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:	46701692
Application Number:	17472023
International Application Number:	
Confirmation Number:	2927
Title of Invention:	Previewing Conference Participants Prior To Joining A Conference
First Named Inventor/Applicant Name:	Nick Swerdlow
Customer Number:	177453
Filer:	Neil C. Maskeri/Jessica Tumblin
Filer Authorized By:	Neil C. Maskeri
Attorney Docket Number:	ZOOM-164-A
Receipt Date:	27-SEP-2022
Filing Date:	10-SEP-2021
Time Stamp:	13:43:00
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	Information Disclosure Statement (IDS) Form (SB08)	ZOOM164A_Information_Disclosure_Statement_Fillable_PDF_20220927.pdf	1263133 409f96e815abc241a8d5e9d193f2947709540e65	no	4

Warnings:

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

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New International Application Filed with the USPTO as a Receiving Office

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

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/472,023	09/10/2021	Nick Swerdlow	ZOOM-164-A	2927

177453 7590 06/30/2022

Zoom Video Communications, Inc. at Young Basile
3001 West Big Beaver Rd., Ste. 624
Troy, MI 48084

EXAMINER	
NAOREEN, NAZIA	

ART UNIT	PAPER NUMBER
2458	

NOTIFICATION DATE	DELIVERY MODE
06/30/2022	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):

docketing@youngbasile.com

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 277 of 432

Applicant-Initiated Interview Summary	**Application No.** 17/472,023	**Applicant(s)** Swerdlow, Nick		
	Examiner NAZIA NAOREEN	**Art Unit** 2458	**AIA (First Inventor to File) Status** Yes	**Page** 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	**Title**	**Type**
NAZIA NAOREEN	Examiner	Telephonic
NEIL C. MASKERI	Attorney	

Date of Interview: 23 June 2022

Issues Discussed:

35 U.S.C. 103

Applicant discussed the prior art and how it applies to the claim language. Examiner agreed to take a further look at the art based on the discussion.

Proposed Amendment(s)

Applicant amended the claim language to try to overcome the prior art. Examiner suggested further amendments to help forward prosecution.

/NAZIA NAOREEN/ Examiner, Art Unit 2458	

Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04
Please further see:
MPEP 713.04
Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b)
37 CFR § 1.2 Business to be transacted in writing

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview.

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

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 278 of 432

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Zoom Video Communications, Inc.
First Named Inventor:	Nick Swerdlow
Serial Number:	17/472,023
Filing Date:	September 10, 2021
Examiner/Art Unit:	Nazia Naoreen / 2458 Conf. No. 2927
Title:	Previewing Conference Participants Prior To Joining A Conference

AMENDMENT

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

Commissioner:

In response to the Office Action dated April 1, 2022, please enter the remarks and amendments, if any, in the above-identified patent application as indicated below.

If any extensions of time are needed for timely acceptance of this reply and associated papers, Applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment from Deposit Account No. 25-0115. If any other fees must be paid in connection with this reply, Applicant authorizes payment from Deposit Account No. 25-0115.

☐ Amendments to the Abstract.

☐ Amendments to the Specification.

☐ Amendments to the Claims.

☐ Amendments to the Drawings.

Listing of the Claims:

1. (Original) A method for displaying conference information, comprising:

transmitting, to a client device, a first graphical output based on calendar data for display on a panel interface associated with a conference, the panel interface having a first portion and a second portion, the first portion including an indicator that indicates a conference status associated with the conference;

prior to the client device joining the conference:

receiving a request for participant information of the conference;

determining the participant information based on the request; and

transmitting a second graphical output to the client device to display the participant information on the second portion of the panel interface.

2. (Original) The method of claim 1, comprising:

determining whether a high priority participant has joined the conference; and

transmitting a notification to the client device when the high priority participant has joined the conference.

3. (Original) The method of claim 2, wherein the high priority participant is determined based on an organizational chart relative to an organizational position of a user of the client device.

4. (Original) The method of claim 2, wherein the high priority participant is based on a preference of a user of the client device.

5. (Original) The method of claim 1, wherein the calendar data includes at least one of a description, a list of topics, a time, a location, a participant identifier, or a participant invite status.

6. (Original) The method of claim 1, wherein the participant information includes at least one of a participant attendance status, a participant preview status, a participant icon, a participant name, or a participant title.

7. (Original) The method of claim 1, wherein the conference status indicates that the conference is a future conference, the conference is in progress without participants, the conference is in progress with participants, or the conference has ended.

8. (Original) The method of claim 1, wherein the panel interface is a persistent panel interface that remains on top of a display of the client device.

9. (Original) A system for displaying conference information, comprising:

a server configured to transmit a first graphical output based on calendar data; and

a client device configured to display the first graphical output on a panel interface associated with a conference, the panel interface having a first portion and a second portion, the first portion including an indicator that indicates a conference status associated with the conference;

prior to the client device joining the conference, the server configured to:

receive a request for participant information of the conference;

determine the participant information based on the request; and

transmit a second graphical output to the client device; and

prior to the client device joining the conference, the client device configured to:

display the participant information on the second portion of the panel interface.

10. (Original) The system of claim 9, wherein the server is configured to:

determine whether a high priority participant has joined the conference; and

transmit a notification to the client device when the high priority participant has joined the conference.

11. (Original) The system of claim 10, wherein the server is configured to:

determine the high priority participant based on an organizational chart relative to an organizational position of a user of the client device.

12. (Original) The system of claim 10, wherein the high priority participant is based on a preference of a user of the client device.

13. (Original) The system of claim 9, wherein the calendar data includes at least one of a description, a list of topics, a time, a location, a participant identifier, or a participant invite status.

14. (Original) The system of claim 9, wherein the participant information includes at least one of a participant attendance status, a participant preview status, a participant icon, a participant name, or a participant title.

15. (Original) The system of claim 9, wherein the conference status indicates that the conference is a future conference, the conference is in progress without participants, the conference is in progress with participants, or the conference has ended.

16. (Original) A non-transitory computer-readable storage device including program instructions that, when executed by a processor, cause the processor to perform operations, the operations comprising:

transmitting, to a client device, a first graphical output based on calendar data for display on a panel interface associated with a conference, the panel interface having a first portion and a second portion, the first portion including an indicator that indicates a conference status associated with the conference;

prior to the client device joining the conference:

receiving a request for participant information of the conference;

determining the participant information based on the request; and

transmitting a second graphical output to the client device to display the participant information on the second portion of the panel interface.

17. (Original) The non-transitory computer-readable storage device of claim 16, wherein the participant information includes at least one of a participant attendance status, a participant preview status, a participant icon, a participant name, or a participant title.

18. (Original) The non-transitory computer-readable storage device of claim 16, wherein the program instructions, when executed by the processor, cause the processor to perform operations, the operations comprising:

determining whether a high priority participant has joined the conference; and

transmitting a notification to the client device when the high priority participant has joined the conference.

19. (Original) The non-transitory computer-readable storage device of claim 18, wherein the high priority participant is determined based on an organizational chart relative to an organizational position of a user of the client device.

20. (Original) The non-transitory computer-readable storage device of claim 18, wherein the high priority participant is based on a preference of a user of the client device.

REMARKS

In response to the Office Action dated April 1, 2022, Applicant submits the following remarks. Claims 1-20 are pending in the Application. Reconsideration of the is respectfully requested in view of these remarks.

Summary of Examiner Interview

Applicant thanks the Examiner for the telephone interview conducted on June 23, 2022. The attendees were Examiner Nazia Naoreen and the Applicant's representative, Neil C. Maskeri (Registration No. 61,591). During the interview, an agreement was reached that the displayed list of candidate participants in Reyes is based on the user's personal contacts, which is distinguishable from calendar data. It was further agreed upon that the list of candidate participants in Reyes is not displayed on a panel interface associated with a conference at least for the fact that there is no conference to associate the panel interface with since the invitations have not yet been sent out. An agreement with respect to patentability was not reached as the Examiner indicated that a further search would be required.

Rejections under 35 U.S.C. §103

Claims 1, 5-7, 9, and 13-17 are rejected under 35 U.S.C. § 103 as being unpatentable over U.S. Patent No. 10,554,728 to Reyes ("Reyes") in view of U.S. Patent No. 9,912,777 to Johar et al. ("Johar").

Regarding claims 1 and 16, an agreement was reached during the telephonic interview that Reyes fails to disclose or suggest at least "a first graphical output based on calendar data for display on a panel interface associated with a conference," as claimed. Johar fails to overcome the deficiencies of Reyes. Accordingly, the Applicant submits that claims 1 and 16 are allowable over the cited references for at least these reasons.

Regarding claim 9, an agreement was reached during the telephonic interview that Reyes fails to disclose or suggest at least "a first graphical output based on calendar data" and "a client device configured to display the first graphical output on a panel interface associated with a conference," as claimed. Johar fails to overcome the deficiencies of Reyes. Accordingly, the Applicant submits that claim 9 is allowable over the cited references for at least these reasons.

Claims 2-4, 10-12, and 18-20 are rejected under 35 U.S.C. § 103 as being unpatentable over Reyes in view of Johar, and in further view of U.S. Patent Application Publication No. 2012/0150577 to Berg et al. ("Berg").

Berg fails to overcome the deficiencies of Reyes and Johar. Accordingly, the Applicant submits that claims 2-4, 10-12, and 18-20 are allowable over the cited references for at least the same reasons provided above.

Claim 8 is rejected under 35 U.S.C. § 103 as being unpatentable over Reyes in view of Johar, and in further view of U.S. Patent No. 9,699,411 to Nelson et al. ("Nelson").

Nelson fails to overcome the deficiencies of Reyes and Johar. Accordingly, the Applicant submits that claim 8 is allowable over the cited references for at least the same reasons provided above.

Claims 2-8 are directly or indirectly dependent upon claim 1. Claims 10-15 are directly or indirectly dependent upon claim 9. Claims 17-20 are directly or indirectly dependent upon claim 16. Applicant accordingly requests that the rejection of claims 1-20 under 35 U.S.C. § 103 be reconsidered and withdrawn.

Conclusion

It is submitted that this Amendment has antecedent basis in the application as originally filed, including the specification, claims and drawings, and that this Amendment does not add any new subject matter to the application. It is submitted that this Amendment places the application in suitable condition for allowance, notice of which is requested.

The Examiner is invited to contact the undersigned at the telephone number listed below if the Examiner believes an Examiner's amendment would expedite prosecution of the Application.

Respectfully submitted,

YOUNG BASILE
HANLON & MACFARLANE, P.C.

/Neil C. Maskeri/

Neil C. Maskeri
Registration No. 61,591

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3001 West Big Beaver Road, Ste. 624
Troy, Michigan 48084-3107

Electronic Acknowledgement Receipt

EFS ID:	46071659
Application Number:	17472023
International Application Number:	
Confirmation Number:	2927
Title of Invention:	Previewing Conference Participants Prior To Joining A Conference
First Named Inventor/Applicant Name:	Nick Swerdlow
Customer Number:	177453
Filer:	Neil C. Maskeri/Jessica Tumblin
Filer Authorized By:	Neil C. Maskeri
Attorney Docket Number:	ZOOM-164-A
Receipt Date:	29-JUN-2022
Filing Date:	10-SEP-2021
Time Stamp:	13:44:59
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		ZOOM164A_Amd_20220401.pdf	59320 23b01fdad07b03e36a43d693c38c1543fbe76e3a	yes	8

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Amendment/Request for Reconsideration-After Non-Final Rejection	1	1
	Claims	2	5
	Applicant Arguments/Remarks Made in an Amendment	6	8
Warnings:			
Information:			
	Total Files Size (in bytes):	59320	

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New Applications Under 35 U.S.C. 111

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New International Application Filed with the USPTO as a Receiving Office

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 17/472,023	Filing Date 09/10/2021	☐ To be Mailed

ENTITY: ☑ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*		x $100 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $480 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT	06/29/2022	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0		x $100 =	0
	Independent (37 CFR 1.16(h))	* 3	Minus	*** 3	= 0		x $480 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	0

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

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.	LIE
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".	/ZURIASHWORK ZENEBE/
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".	
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Zoom Video Communications, Inc. at Young Basile
3001 West Big Beaver Rd., Ste. 624
Troy, MI 48084

Courtesy Reminder for
Application Serial No: 17/472,023

Attorney Docket No: ZOOM-164-A
Customer Number: 177453
Date of Electronic Notification: 04/01/2022

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(Not for submission under 37 CFR 1.99)

Application Number	17472023
Filing Date	2021-09-10
First Named Inventor	Nick Swerdlow
Art Unit	2458
Examiner Name	Nazia Naoreen
Attorney Docket Number	ZOOM-164-A

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	11144887		2021-10-12	Wender	

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Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20100153160	A1	2010-06-17	BEZEMER et al.	
	2	20150088572	A1	2015-03-26	Mai et al.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17472023
	Filing Date	2021-09-10
	First Named Inventor	Nick Swerdlow
	Art Unit	2458
	Examiner Name	Nazia Naoreen
	Attorney Docket Number	ZOOM-164-A

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

Examiner Signature		Date Considered	

*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.

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 292 of 432

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17472023
	Filing Date	2021-09-10
	First Named Inventor	Nick Swerdlow
	Art Unit	2458
	Examiner Name	Nazia Naoreen
	Attorney Docket Number	ZOOM-164-A

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	/Neil C. Maskeri/	Date (YYYY-MM-DD)	2022-04-06
Name/Print	Neil C. Maskeri	Registration Number	61,591

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

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Electronic Acknowledgement Receipt

EFS ID:	45410033
Application Number:	17472023
International Application Number:	
Confirmation Number:	2927
Title of Invention:	Previewing Conference Participants Prior To Joining A Conference
First Named Inventor/Applicant Name:	Nick Swerdlow
Customer Number:	177453
Filer:	Neil C. Maskeri/Jessica Tumblin
Filer Authorized By:	Neil C. Maskeri
Attorney Docket Number:	ZOOM-164-A
Receipt Date:	06-APR-2022
Filing Date:	10-SEP-2021
Time Stamp:	16:51:06
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	Information Disclosure Statement (IDS) Form (SB08)	ZOOM164A_Information_Disclosure_Statement_Fillable_PDF_20220406.pdf	1263320 6214763e7889c60c73dc2853d70f24497215c7a2	no	4

Warnings:

Information:	
Total Files Size (in bytes):	1263320

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.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/472,023	09/10/2021	Nick Swerdlow	ZOOM-164-A	2927

177453 7590 04/01/2022

Zoom Video Communications, Inc. at Young Basile
3001 West Big Beaver Rd., Ste. 624
Troy, MI 48084

EXAMINER	
NAOREEN, NAZIA	

ART UNIT	PAPER NUMBER
2458	

NOTIFICATION DATE	DELIVERY MODE
04/01/2022	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):

docketing@youngbasile.com

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 297 of 432

Office Action Summary	Application No. 17/472,023	Applicant(s) Swerdlow, Nick	
	Examiner NAZIA NAOREEN	Art Unit 2458	AIA (FITF) Status Yes

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

Period for Reply

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

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

Status

1)☑ Responsive to communication(s) filed on 09/10/2021.

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

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

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

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

Disposition of Claims*

5) ☑ Claim(s) 1-20 is/are pending in the application.

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

6) ☐ Claim(s) _____ is/are allowed.

7) ☑ Claim(s) 1-20 is/are rejected.

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

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

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to **PPHfeedback@uspto.gov.**

Application Papers

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

11)☑ The drawing(s) filed on 09/10/2021 is/are: a)☑ accepted or b)☐ objected to by the Examiner.

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

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

Priority under 35 U.S.C. § 119

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

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

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

Attachment(s)

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

2) ☑ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date 09/10/2021.

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

4) ☐ Other: _____.

Zoom Communications, Inc. v. Ricoh Company, Ltd.
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DETAILED ACTION

Status of Claims:

1. Claims 1 – 20 are pending.

Notice of Pre-AIA or AIA Status

2. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Information Disclosure Statement

3. The information disclosure statement (IDS) was submitted on 09/10/2021. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103 which forms the basis for all obviousness rejections set forth in this Office action:

> A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

5. The factual inquiries for establishing a background for determining obviousness under 35 U.S.C. 103 are summarized as follows:

1. Determining the scope and contents of the prior art.

2. Ascertaining the differences between the prior art and the claims at issue.

3. Resolving the level of ordinary skill in the pertinent art.

4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

6. Claims 1, 5 – 7, 9, and 13 – 17 are rejected under 35 U.S.C. 103 as being unpatentable over Reyes (US 10554728) and in view of Johar (US 9912777).

As per claim 1, Reyes discloses a method for displaying conference information, comprising:

transmitting, to a client device, a first graphical output based on calendar data for display on a panel interface associated with a conference **(Collaboration client may interact with programs and applications, for example calendaring programs, to cause the meeting invitations to be generated, See Col. 21, Lines 1 - 17)**, the panel interface having a first portion and a second portion, the first portion including an indicator that indicates a conference status associated with the conference **(Electronic meeting screen indicates general meetings and private meetings** *(first portion)* **that are currently in progress** *(conference status)* **... General meeting window includes content, participants** *(second portion)*, **content sharing controls, and meeting controls, See Col. 18, Lines 2 - 23** */ General meeting window is a graphical output with a panel interface including panels for general and private meetings, content, participants, content sharing controls, and meeting controls, See Fig. 5A***)*;

...

transmitting a second graphical output to the client device to display the participant information on the second portion of the panel interface **(The participants** *(second portion of panel interface)* **includes data that specifies the current participants of the meeting, See Col. 18, Lines 2 – 23** */ The general meeting window includes a participant panel which is a second portion of the interface transmitted to the client device***)**.

Reyes however does not expressly disclose:

prior to the client device joining the conference: receiving a request for participant information of the conference and determining the participant information based on the request.

Johar discloses:

prior to the client device joining the conference **(In some cases, a user only wants to see a list of participants who have joined the call but does not want to join the call (e.g., because the user wants, prior to joining the video call, to check whether the presenter or a manager is present, etc.), See Col. 16, Lines 27 - 52)**:

receiving a request for participant information of the conference **(User interface button is operable to retrieve detailed information on each of the participants in the virtual conversation (i.e., the user profiles to which the graphical identifiers correspond). Upon receiving a selection at the button** *(receiving a request)*, **the device generates interface as illustrated in FIG. 5C, See Col. 16, Lines 21 - 26)**;

determining the participant information based on the request **(The components advantageously provide a list of identifiers (e.g., graphical and textual) corresponding to each user involved in a virtual conversation and further illustrate (e.g., using visual effects) a measure of connectivity to the virtual conversation (e.g., whether the user is connected to a video call, whether the user is logged into the virtual meeting system), See Col. 16, Lines 27 - 52)**; and

It would have been obvious to an artisan of ordinary skill at the time of the Applicant's filing date to combine Johar's teaching of receiving participant information prior to joining a conference, along with transmitting a panel interface to improve Reyes' system. Both Reyes and Johar disclose conferencing systems. Johar's system includes retrieving participant information prior to a user joining a conference or meeting. The combination is an improvement upon the existing system because participant information can be received prior to joining a conference as taught by Johar, where the participant information can be transmitted using a panel interface as taught by Reyes, to allow a user to view the participants on the user's device before attending the conference.

As per claim 5, the method of claim 1, wherein the calendar data includes at least one of a description, a list of topics, a time, a location, a participant identifier, or a participant invite status **(**Reyes, **Collaboration client causes a meeting invitation to be sent to the collaboration client of each of the candidate participants, who may individually accept or decline the invitation** *(participant invite status)*. **Collaboration client may interact with programs and applications, for example calendaring programs, to cause the meeting invitations to be generated, See Col. 21, Lines 1 - 17)**.

As per claim 6, the method of claim 1, wherein the participant information includes at least one of a participant attendance status, a participant preview status, a participant icon, a participant name, or a participant title (Reyes, **The participants** *(panel interface)* **includes data that specifies the current participants of the meeting, See Col. 18, Lines 2 – 23)**.

As per claim 7, the method of claim 1, wherein the conference status indicates that the conference is a future conference, the conference is in progress without participants, the conference is in progress with participants, or the conference has ended (Reyes, **Electronic meeting screen indicates general meetings and private meetings that are currently in progress** *(conference status)***, See Col. 18, Lines 2 – 23)**.

As per claim 9, Reyes discloses a system for displaying conference information, comprising:

a server configured to transmit a first graphical output based on calendar data **(Collaboration client may interact with programs and applications, for example calendaring programs, to cause the meeting invitations to be generated, See Col. 21, Lines 1 - 17)**; and

a client device configured to display the first graphical output on a panel interface associated with a conference, the panel interface having a first portion and a second portion, the first portion including an indicator that indicates a conference status associated with the conference **(Electronic meeting screen indicates general meetings and private meetings** *(first portion)* **that are currently in progress** *(conference status)* **... General meeting window includes content, participants** *(second portion)***, content sharing controls, and meeting controls, See Col. 18, Lines 2 - 23** */ General meeting window is a graphical output with a panel interface including panels for general and private meetings, content, participants, content sharing controls, and meeting controls, See Fig. 5A***)**;

…

transmit a second graphical output to the client device **(The participants** *(second graphical output, See Fig. 5A)* **includes data that specifies the current participants of the meeting, See Col. 18, Lines 2 – 23)**; and

…

display the participant information on the second portion of the panel interface **(The participants** *(second portion of panel interface)* **includes data that specifies the current participants of the meeting, See Col. 18, Lines 2 – 23** */ The general meeting window includes a participant panel which is a second portion of the interface transmitted to the client device, See Fig. 5A***)**.

Reyes however does not expressly disclose:

prior to the client device joining the conference, the server configured to: receive a request for participant information of the conference and determine the participant information based on the request prior to the client device joining the conference, the client device configured to: display the participant information.

Johar discloses:

prior to the client device joining the conference **(In some cases, a user only wants to see a list of participants who have joined the call but does not want to join the call (e.g., because the user wants, prior to joining the video call, to check whether the presenter or a manager is present, etc.), See Col. 16, Lines 27 - 52)**, the server configured to:

receive a request for participant information of the conference **(User interface button is operable to retrieve detailed information on each of the participants in the virtual conversation (i.e., the user profiles to which the graphical identifiers correspond). Upon receiving a selection at the button** *(receiving a request)***, the device generates interface as illustrated in FIG. 5C, See Col. 16, Lines 21 - 26)**;

determine the participant information based on the request **(The components advantageously provide a list of identifiers (e.g., graphical and textual) corresponding to each user involved in a virtual conversation and further illustrate (e.g., using visual effects) a measure of connectivity to the virtual conversation (e.g., whether the user is connected to a video call, whether the user is logged into the virtual meeting system), See Col. 16, Lines 27 - 52)**; and

…

prior to the client device joining the conference, the client device configured to: (*display the participant information)* (**In some cases, a user only wants to see a list of participants who have joined the call but does not want to join the call (e.g., because the user wants, prior to joining the video call, to check whether the presenter or a manager is present, etc.), See Col. 16, Lines 27 - 52)**.

It would have been obvious to an artisan of ordinary skill at the time of the Applicant's filing date to combine Johar's teaching of receiving participant information prior to joining a conference, along with transmitting a panel interface to improve Reyes' system. Both Reyes and Johar disclose conferencing systems. Johar's system includes retrieving participant information prior to a user joining a conference or meeting. The combination is an improvement upon the existing system because participant information can be received prior to joining a conference as taught by Johar, where the participant information can be transmitted using a panel interface as taught by Reyes, to allow a user to view the participants on the user's device before attending the conference.

As per claim 13, the system of claim 9, wherein the calendar data includes at least one of a description, a list of topics, a time, a location, a participant identifier, or a participant invite status **(**Reyes, **Collaboration client causes a meeting invitation to be sent to the collaboration client of each of the candidate participants, who may individually accept or decline the invitation** *(participant invite status)***. Collaboration client may interact with programs and applications, for example calendaring programs, to cause the meeting invitations to be generated, See Col. 21, Lines 1 - 17)**.

As per claim 14, the system of claim 9, wherein the participant information includes at least one of a participant attendance status, a participant preview status, a participant icon, a participant name, or a participant title **(**Reyes, **The participants** *(panel interface)* **includes data that specifies the current participants of the meeting, See Col. 18, Lines 2 – 23)**.

As per claim 15, the system of claim 9, wherein the conference status indicates that the conference is a future conference, the conference is in progress without participants, the conference is in progress with participants, or the conference has ended (Reyes, **Electronic meeting screen indicates general meetings and private meetings that are currently in progress** *(conference status)*, **See Col. 18, Lines 2 – 23**).

As per claim 16, Reyes discloses a non-transitory computer-readable storage device including program instructions that, when executed by a processor, cause the processor to perform operations, the operations comprising:

transmitting, to a client device, a first graphical output based on calendar data **(Collaboration client may interact with programs and applications, for example calendaring programs, to cause the meeting invitations to be generated, See Col. 21, Lines 1 - 17)** for display on a panel interface associated with a conference, the panel interface having a first portion and a second portion, the first portion including an indicator that indicates a conference status associated with the conference **(Electronic meeting screen indicates general meetings and private meetings** *(first portion)* **that are currently in progress** *(conference status)* **… General meeting window includes content, participants** *(second portion)*, **content sharing controls, and meeting controls, See Col. 18, Lines 2 - 23** */ General meeting window is a graphical output with a panel interface including panels for general and private meetings, content, participants, content sharing controls, and meeting controls, See Fig. 5A*);

…

transmitting a second graphical output to the client device to display the participant information on the second portion of the panel interface **(The participants** *(second portion of panel interface)* **includes data that specifies the current participants of the meeting, See Col. 18, Lines 2 – 23** */ The general meeting window includes a participant panel which is a second portion of the interface transmitted to the client device*).

Reyes however does not expressly disclose:

prior to the client device joining the conference: receiving a request for participant information of the conference and determining the participant information based on the request.

Johar discloses:

prior to the client device joining the conference **(In some cases, a user only wants to see a list of participants who have joined the call but does not want to join the call (e.g., because the user wants, prior to joining the video call, to check whether the presenter or a manager is present, etc.), See Col. 16, Lines 27 - 52)**:

receiving a request for participant information of the conference **(User interface button is operable to retrieve detailed information on each of the participants in the virtual conversation (i.e., the user profiles to which the graphical identifiers correspond). Upon receiving a selection at the button** *(receiving a request)*, **the device generates interface as illustrated in FIG. 5C, See Col. 16, Lines 21 - 26)**;

determining the participant information based on the request **(The components advantageously provide a list of identifiers (e.g., graphical and textual) corresponding to each user involved in a virtual conversation and further illustrate (e.g., using visual effects) a measure of connectivity to the virtual conversation (e.g., whether the user is connected to a video call, whether the user is logged into the virtual meeting system), See Col. 16, Lines 27 - 52)**; and

It would have been obvious to an artisan of ordinary skill at the time of the Applicant's filing date to combine Johar's teaching of receiving participant information prior to joining a conference, along with transmitting a panel interface to improve Reyes' system. Both Reyes and Johar disclose conferencing systems. Johar's system includes retrieving participant information prior to a user joining a conference or meeting. The combination is an improvement upon the existing system because participant information can be received prior to joining a conference as taught by Johar, where the participant information can be transmitted using a panel interface as taught by Reyes, to allow a user to view the participants on the user's device before attending the conference.

As per claim 17, the non-transitory computer-readable storage device of claim 16, wherein the participant information includes at least one of a participant attendance status, a participant preview status, a participant icon, a participant name, or a participant title **(**Reyes, **The participants** *(panel interface)* **includes data that specifies the current participants of the meeting, See Col. 18, Lines 2 – 23)**.

7. Claims 2 – 4, 10 – 12, and 18 – 20 are rejected under 35 U.S.C. 103 as being unpatentable over Reyes (US 10554728), in view of Johar (US 9912777), and further in view of Berg (US 20120150577).

As per claim 2, the combination of Reyes and Johar discloses all limitations of claim 1.

The combination of Reyes and Johar however does not expressly disclose:

determining whether a high priority participant has joined the conference and transmitting a notification to the client device when the high priority participant has joined the conference.

Berg discloses:

the method of claim 1, comprising:

determining whether a high priority participant has joined the conference **(Notifications can include … an indication of particular meeting invitees that have already joined the meeting (e.g., notifying a meeting invitee that his or her boss** *(high priority participant)* **has already joined the meeting), See ¶63)**; and

transmitting a notification to the client device when the high priority participant has joined the conference **(Notifications can include … an indication of particular meeting invitees that have already joined the meeting (e.g., notifying a meeting invitee that his or her boss** *(high priority participant)* **has already joined the meeting), See ¶63)**.

It would have been obvious to an artisan of ordinary skill at the time of the Applicant's filing date to combine Berg's teaching of transmitting a notification based on a high priority participant and Johar's teaching of receiving participant information prior to joining a conference, along with transmitting a panel interface to improve Reyes' system. Reyes, Johar, and Berg all disclose conferencing systems. Berg's system includes receiving a notification based on determining that a invitee's boss or a high priority participant has joined the meeting. The combination is an improvement upon the existing system because participant information can be received prior to joining a conference as taught by Johar, where the participant information can be transmitted using a panel interface as taught by Reyes, and a notification can be received when a high priority participant has joined the conference as taught by Berg, to allow a user to view or be notified of the participants, on the user's device, before attending the conference.

As per claim 3, the method of claim 2, wherein the high priority participant is determined based on an organizational chart relative to an organizational position of a user of the client device (Berg, **Information is provided by another service or module that maintains a record of relationships involving meeting invitees (e.g., an employee organizational chart or record for a company or business unit, a record of which users are participating in or are members of which projects, and so forth), See ¶33)**.

The combination of Reyes and Johar fails to teach wherein the high priority participant is determined based on an organizational chart relative to an organizational position of a user of the client device. In the same field of endeavor, Berg teaches an employee organizational chart that maintains relationship records. It would have been obvious before the effective filing date of the claimed invention to further modify Reyes and Johar to include Berg's teaching of an organizational chart to determine a high priority participant, to allow users to be notified of the participants prior to joining the conference.

As per claim 4, the method of claim 2, wherein the high priority participant is based on a preference of a user of the client device (Berg, **Meeting lifecycle management service also maintains contact information for the meeting invitees ... In one or more embodiments, this contact information for**

the meeting invitees is the contact information provided by the user *(preference of a user)* **in scheduling the meeting (e.g., an email address) and sending out a meeting request to the meeting invitees … In one or more embodiments, this information is provided by another service or module that maintains a record of relationships** *(determines high priority participant)* **involving meeting invitees, See ¶33)**.

The combination of Reyes and Johar fails to teach wherein the high priority participant is based on a preference of a user of the client device. In the same field of endeavor, Berg teaches determining participants from a user's contact information which would maintain a record of the relationship and determine if the participant is a high priority participant based on the user's preference. It would have been obvious before the effective filing date of the claimed invention to further modify Reyes and Johar to include Berg's teaching of a high priority participant based on a user preference, to allow users to be notified of the participant prior to joining the meeting.

As per claim 10, the system of claim 9, wherein the server is configured to:

determine whether a high priority participant has joined the conference (Berg, **Notifications can include … an indication of particular meeting invitees that have already joined the meeting (e.g., notifying a meeting invitee that his or her boss** *(high priority participant)* **has already joined the meeting), See ¶63)**; and

transmit a notification to the client device when the high priority participant has joined the conference (Berg, **Notifications can include … an indication of particular meeting invitees that have already joined the meeting (e.g., notifying a meeting invitee that his or her boss** *(high priority participant)* **has already joined the meeting), See ¶63)**.

As per claim 11, the system of claim 10, wherein the server is configured to: determine the high priority participant based on an organizational chart relative to an organizational position of a user of the client device (Berg, **Information is provided by another service or module that maintains a record of relationships involving meeting invitees (e.g., an employee organizational chart or record for a**

company or business unit, a record of which users are participating in or are members of which projects, and so forth), See ¶33).

As per claim 12, the system of claim 10, wherein the high priority participant is based on a preference of a user of the client device **(**Berg, **Meeting lifecycle management service also maintains contact information for the meeting invitees … In one or more embodiments, this contact information for the meeting invitees is the contact information provided by the user** *(preference of a user)* **in scheduling the meeting (e.g., an email address) and sending out a meeting request to the meeting invitees … In one or more embodiments, this information is provided by another service or module that maintains a record of relationships** *(determines high priority participant)* **involving meeting invitees, See ¶33)**.

As per claim 18, the non-transitory computer-readable storage device of claim 16, wherein the program instructions, when executed by the processor, cause the processor to perform operations, the operations comprising:

determining whether a high priority participant has joined the conference **(**Berg, **Notifications can include … an indication of particular meeting invitees that have already joined the meeting (e.g., notifying a meeting invitee that his or her boss** *(high priority participant)* **has already joined the meeting), See ¶63)**; and

transmitting a notification to the client device when the high priority participant has joined the conference **(**Berg, **Notifications can include … an indication of particular meeting invitees that have already joined the meeting (e.g., notifying a meeting invitee that his or her boss** *(high priority participant)* **has already joined the meeting), See ¶63)**.

As per claim 19, the non-transitory computer-readable storage device of claim 18, wherein the high priority participant is determined based on an organizational chart relative to an organizational position of a user of the client device **(**Berg, **Information is provided by another service or module that maintains a record of relationships involving meeting invitees (e.g., an employee organizational**

chart or record for a company or business unit, a record of which users are participating in or are members of which projects, and so forth), See ¶33).

As per claim 20, the non-transitory computer-readable storage device of claim 18, wherein the high priority participant is based on a preference of a user of the client device **(**Berg, **Meeting lifecycle management service also maintains contact information for the meeting invitees … In one or more embodiments, this contact information for the meeting invitees is the contact information provided by the user** *(preference of a user)* **in scheduling the meeting (e.g., an email address) and sending out a meeting request to the meeting invitees … In one or more embodiments, this information is provided by another service or module that maintains a record of relationships** *(determines high priority participant)* **involving meeting invitees, See ¶33)**.

8. Claim 8 is rejected under 35 U.S.C. 103 as being unpatentable over Reyes (US 10554728), in view of Johar (US 9912777), and further in view of Nelson (US 9699411).

As per claim 8, the combination of Reyes and Johar disclose all limitations of claim 1.

The combination of Reyes and Johar however does not expressly disclose:

wherein the panel interface is a persistent panel interface that remains on top of a display of the client device.

Nelson discloses:

the method of claim 1, wherein the panel interface is a persistent panel interface that remains on top of a display of the client device **(Application manager ensures that interactive whiteboard session window is topmost on interactive whiteboard display** *(persistent panel interface)***. This may include, for example, determining an operating system-level identification of the interactive whiteboard session window and then invoking one or more functions in OS to cause the interactive whiteboard session window to remain on top, See Col. 6, Lines 1 - 15)**.

It would have been obvious to an artisan of ordinary skill at the time of the Applicant's filing date to combine Nelson's teaching of a persistent panel interface that remains on top of a display and transmitting a notification based on a high priority participant and Johar's teaching of receiving participant information prior to joining a conference, along with transmitting a panel interface to improve Reyes' system. Reyes, Johar, and Berg all disclose conferencing systems. Nelson's system includes an interactive whiteboard window which can include a panel interface that always remains on top of the display. The combination is an improvement upon the existing system because participant information can be received prior to joining a conference as taught by Johar, where the participant information can be transmitted using a panel interface as taught by Reyes, and the panel interface can be a persistent panel interface that remains on top of a display as taught by Nelson, to allow a user to view the participants on the user's device before attending the conference.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NAZIA NAOREEN whose telephone number is (571)270-7282. The examiner can normally be reached M-F: 9:00 - 6:00.

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, Kevin Bates can be reached on 571-272-3980. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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

from a USPTO Customer Service Representative, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/NAZIA NAOREEN/
Examiner, Art Unit 2458

Notice of References Cited	Application/Control No. 17/472,023	Applicant(s)/Patent Under Reexamination Swerdlow, Nick	
	Examiner NAZIA NAOREEN	Art Unit 2458	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-10554728-B2	02-2020	Reyes; Alex	H04L67/06	1/1
*	B	US-9912777-B2	03-2018	Johar; Sahiba Singh	H04L65/403	1/1
*	C	US-20120150577-A1	06-2012	Berg; Jeffrey S.	G06Q10/0631	705/342
*	D	US-9699411-B2	07-2017	Nelson; Steven	H04M3/567	1/1
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/472,023	Swerdlow, Nick
	Examiner	Art Unit
	NAZIA NAOREEN	2458

CPC - Searched*		
Symbol	**Date**	**Examiner**
H04L12/1818	03/26/2022	NN
G06F3/048	03/26/2022	NN
G06Q10/1095	03/26/2022	NN
H04L12/1822	03/26/2022	NN

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**

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

Search Notes		
Search Notes	**Date**	**Examiner**
Inventor and Assignee	03/26/2022	NN
PE2ESEARCH (US-PGPUB, USPAT, USOCR, FIT, FPRS, EPO, JPO, DERWENT, IBM TDB)	03/26/2022	NN
Classification and Double Patenting	03/26/2022	NN
IP.com search, Google Scholar search	03/26/2022	NN

/NAZIA NAOREEN/ Examiner, Art Unit 2458	

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/472,023	Swerdlow, Nick
	Examiner	Art Unit
	NAZIA NAOREEN	2458

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

/NAZIA NAOREEN/ Examiner, Art Unit 2458	

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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/472,023	Swerdlow, Nick
	Examiner	Art Unit
	NAZIA NAOREEN	2458

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

CLAIMS

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

CLAIM		DATE								
Final	Original	03/26/2022								
	1	✓								
	2	✓								
	3	✓								
	4	✓								
	5	✓								
	6	✓								
	7	✓								
	8	✓								
	9	✓								
	10	✓								
	11	✓								
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	13	✓								
	14	✓								
	15	✓								
	16	✓								
	17	✓								
	18	✓								
	19	✓								
	20	✓								

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Web Search History

date, time	web site	search string
3/26/2022 7:51:03 PM	Google Scholar	panel interface and first portion and second portion
3/26/2022 7:59:17 PM	Google Scholar	interface and panel and conference status and participant information
3/26/2022 8:02:59 PM	Google Scholar	high priority participant and notification and organization
3/26/2022 8:06:55 PM	Google Scholar	high priority participant and notification and user preference
3/26/2022 8:10:33 PM	Google Scholar	persistent panel interface and remains on top of display

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Search History

Report Run Date: 2022-03-27 UTC
Searches: 5
Markers: 0

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Search #	Timestamp	Results	Page
1	2022-03-26 23:51 UTC	15,326,337	3
2	2022-03-26 23:59 UTC	3,731,211	4
3	2022-03-27 00:03 UTC	8,554,948	4
4	2022-03-27 00:07 UTC	14,106,560	4
5	2022-03-27 00:10 UTC	2,031,474	4

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Content: Patents + NPL (187)

US Patents | US Designs | US Applications | EPO Patents | EPO Applications | China Patents | China Applications | Japan Patents | Japan Applications | Korea Patents | Korea Applications | WIPO Applications | Argentina Patents | Argentina Applications | Brazil Patents | Brazil Applications | Canada Patents | Canada Applications | Chile Patents | Chile Applications | Colombia Applications | Costa Rica Applications | Cuba Patents | Cuba Applications | Dominican Republic Applications | Ecuador Patents | Ecuador Applications | El Salvador Applications | Guatemala Applications | Honduras Applications | Mexico Patents | Mexico Applications | Nicaragua Patents | Panama Applications | Peru Applications | Trinidad & Tobago Patents | Uruguay Applications | Austria Patents | Austria Applications | Belarus Patents | Belgium Patents | Belgium Applications | Bosnia & Herzegovina Patents | Bosnia & Herzegovina Applications | Bulgaria Patents | Bulgaria Applications | Croatia Patents | Croatia Applications | Czech Republic Patents | Czech Republic Applications | Czechoslovakia Patents | Czechoslovakia Applications | Denmark Patents | Denmark Applications | Estonia Patents | Estonia Applications | EUIPO Patents | Finland Patents | Finland Applications | France Patents | France Applications | Germany Patents | Germany Applications | Great Britain Patents | Great Britain Applications | Greece Patents | Greece Applications | Hungary Patents | Hungary Applications | Iceland Patents | Iceland Applications | Ireland Patents | Ireland Applications | Italy Patents | Italy Applications | Latvia Patents | Latvia Applications | Lithuania Patents | Lithuania Applications | Luxembourg Patents | Malta Patents | Monaco Patents | Montenegro Patents | Montenegro Applications | Netherlands Patents | Netherlands Applications | Norway Patents | Norway Applications | Poland Patents | Poland Applications | Portugal Patents | Portugal Applications | Republic of Moldova Patents | Republic of Moldova Applications | Romania Patents | Romania Applications | San Marino Patents | San Marino Applications | Serbia Patents | Serbia Applications | Slovakia Patents | Slovakia Applications | Slovenia Patents | Spain Patents | Spain Applications | Sweden Patents | Sweden Applications | Switzerland Patents | Switzerland Applications | Ukraine Patents | Yugoslavia/Serbia and Montenegro Patents | Yugoslavia/Serbia and Montenegro Applications | Armenia Patents | Australia Patents | Australia Applications | Cyprus Patents | Gulf Cooperation Council Patents | Hong Kong Patents | India Patents | India Applications | Indonesia Patents | Indonesia Applications | Israel Applications | Jordan Patents | Kyrgyzstan Patents | Macao Applications | Malaysia Patents | Mongolia Patents | New Zealand Patents | Philippines Patents | Philippines Applications | Saudi Arabia Patents | Singapore Patents | Singapore Applications | Taiwan Patents | Taiwan Applications | Tajikistan Patents | Tajikistan Applications | Thailand Applications | Uzbekistan Patents | Vietnam Patents | Algeria Patents | ARIPO Patents | ARIPO Applications | Egypt Patents | Kenya Patents | Malawi Patents | Morocco Patents | Morocco Applications | OAPI Patents | South Africa Patents | Tunisia Applications | Zambia Patents | Zimbabwe Patents | EAPO Patents | EAPO Applications | Georgia Patents | Georgia Applications | Kazakhstan Patents | Kazakhstan Applications | Russia Patents | Russia Applications | Turkey Patents | Turkey Applications | IEEE Xplore Publications: IEEE Periodicals | IEEE Xplore Publications: IEEE Conferences | IEEE Xplore Publications: IEEE Standards | IEEE Xplore Publications: IEEE Early Access | IEEE Xplore Publications: SMPTE Periodicals | IEEE Xplore Publications: SMPTE Conferences | IEEE Xplore Publications: SMPTE Standards | IEEE Xplore Publications: MIT Press eBooks | IEEE Xplore Publications: Wiley-IEEE eBooks | IEEE Xplore Publications: IBM Periodicals | IEEE Xplore Publications: URSI Periodicals | IEEE Xplore Publications: VDE Conferences | IEEE Xplore Publications: Periodicals from China | IP.com Prior Art Database: The IP.com Journal | IP.com Prior Art Database: Internet Society RFC | IP.com Prior Art Database: IBM TDB Archive | IP.com Prior Art Database: Legacy Journals | IP.com Prior Art Database: Software Patent Institute | OnePetro.org: Periodicals at OnePetro.org | OnePetro.org: Conferences at OnePetro.org | Other Literature: IBM Redbooks | Other Literature: PubMed Central | Other Literature: arXiv.org

1 **2022-03-26 23:51 UTC | 15,326,337 results from**

De-Dup: None | **Cut-off:** None | **Sort:** Relevance

Main Concept: Text
panel interface and first portion and second portion

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Concept Modifiers: None

Filters: None

2 **2022-03-26 23:59 UTC | 3,731,211 results from**

De-Dup: None | **Cut-off:** None | **Sort:** Relevance

Main Concept: Text
interface and panel and conference status and participant information

Concept Modifiers: None

Filters: None

3 **2022-03-27 00:03 UTC | 8,554,948 results from**

De-Dup: None | **Cut-off:** None | **Sort:** Relevance

Main Concept: Text
high priority participant and notification and organization

Concept Modifiers: None

Filters: None

4 **2022-03-27 00:07 UTC | 14,106,560 results from**

De-Dup: None | **Cut-off:** None | **Sort:** Relevance

Main Concept: Text
high priority participant and notification and user preference

Concept Modifiers: None

Filters: None

5 **2022-03-27 00:10 UTC | 2,031,474 results from**

De-Dup: None | **Cut-off:** None | **Sort:** Relevance

Main Concept: Text
persistent panel interface and remains on top of display

Concept Modifiers: None

Filters: None

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Bibliographic Data

Application No: 17/472,023

Foreign Priority claimed: ○ Yes ◉ No

35 USC 119 (a-d) conditions met: ☐ Yes ☑ No ☐ Met After Allowance

Verified and Acknowledged: /NAZIA NAOREEN/ Examiner's Signature | Initials

Title: Previewing Conference Participants Prior To Joining A Conference

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
09/10/2021	709	2458	ZOOM-164-A
RULE			

APPLICANTS

Zoom Video Communications, Inc., San Jose, CA, UNITED STATES

INVENTORS

Nick Swerdlow, Santa Clara, CA, UNITED STATES

CONTINUING DATA

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

09/21/2021

STATE OR COUNTRY

UNITED STATES

ADDRESS

Zoom Video Communications, Inc. at Young Basile
3001 West Big Beaver Rd., Ste. 624
Troy, MI 48084
UNITED STATES

FILING FEE RECEIVED

$1,820

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

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

(Not for submission under 37 CFR 1.99)

Application Number	
Filing Date	
First Named Inventor	Nick Swerdlow
Art Unit	N/A
Examiner Name	Not Yet Assigned
Attorney Docket Number	ZOOM-164-A

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	6853398		2005-02-08	Malzbender et al.	
	2	7603412		2009-10-13	Beyda	
	3	9165290		2015-10-20	Wessling et al.	

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Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20110107228	A1	2011-05-05	Huang	
	2	20070239827	A1	2007-10-11	Deboy et al.	
	3	20030189601	A1	2003-10-09	Ben-Shachar et al.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99**)	Application Number	
	Filing Date	
	First Named Inventor	Nick Swerdlow
	Art Unit	N/A
	Examiner Name	Not Yet Assigned
	Attorney Docket Number	ZOOM-164-A

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

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

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		

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EXAMINER SIGNATURE

Examiner Signature	/NAZIA NAOREEN/	Date Considered	03/26/2022

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

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

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ALL REFERENCES CONSIDERED EXCEPT WHERE [illegible]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99**)	Application Number	
	Filing Date	
	First Named Inventor	Nick Swerdlow
	Art Unit	N/A
	Examiner Name	Not Yet Assigned
	Attorney Docket Number	ZOOM-164-A

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	/Neil C. Maskeri/	Date (YYYY-MM-DD)	2021-09-10
Name/Print	Neil C. Maskeri	Registration Number	61,591

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

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

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

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

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

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

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

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

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

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.C./ Examiner, Art Unit 2458

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	30	("20030189601"|"20070239827"|"20110107228"|"6853398"|"7603412"|"9165290").PN.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 04:28 PM
L2	0	(H04L12/1818 AND G06F3/048 AND G06Q10/1095 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 04:41 PM
L3	49	(H04L12/1818 AND G06F3/048).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 04:41 PM
L4	3	(H04L12/1818 AND G06F3/048 AND G06Q10/1095).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	ADJ	ON	ON	2022/03/25 04:42 PM

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			CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L5	2269	(H04L12/1818 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 04:44 PM
L6	0	interface SAME panel(H04L12/1818 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 04:44 PM
L7	163	interface SAME panel AND (H04L12/1818 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN,	ADJ	ON	ON	2022/03/25 04:44 PM

			WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L8	9	interface SAME panel SAME status AND (H04L12/1818 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 04:46 PM
L9	446	interface SAME panel SAME status SAME participant	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 04:51 PM
L10	0	interface SAME panel SAME status SAME participant AND web ex	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 04:55 PM
L11	11	interface SAME panel AND web ex	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	ADJ	ON	ON	2022/03/25 04:55 PM

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			HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L12	5	(interface OR ui OR gui) SAME conference status SAME participant information	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 08:10 PM
L13	0	(interface OR ui OR gui) SAME conference status SAME participant i	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 08:10 PM
L14	87	(interface OR ui OR gui) SAME conference status SAME participant	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	ADJ	ON	ON	2022/03/25 08:10 PM

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			IBM_TDB)				
L15	51	(conference OR meeting) window SAME progress SAME participant	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 08:17 PM
L16	49	high priority participant	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 08:25 PM
L17	2	high priority near5 participant near5 join$3	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 09:55 PM
L18	9	high priority near5 participant SAME join$3	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	ADJ	ON	ON	2022/03/25 09:55 PM

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			MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L19	54	priority near5 participant near5 join$3	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 09:56 PM
L20	8	priority participant near5 join$3	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 10:01 PM
L21	2	priority participant near5 notification	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 10:01 PM
L22	12	priority participant	(US-PGPUB; USPAT;	ADJ	ON	ON	2022/03/25

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		SAME notification	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				10:01 PM
L23	24	priority participant SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 10:02 PM
L24	34	important (participant OR person OR user OR attendee) SAME join$3 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 10:05 PM
L25	16	(important OR high priority) SAME join$3 SAME notif$7 AND organization$2 near5 (chart OR poisition)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL,	ADJ	ON	ON	2022/03/25 10:12 PM

			PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L26	27	(important OR high priority) SAME join$3 SAME notif$7 AND organization$2 near5 (chart OR position)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 10:12 PM
L27	42	(important OR high priority) SAME join$3 SAME notif$7 AND organization$2 near5 (chart OR position OR role)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 10:12 PM
L28	12	(important OR high priority) SAME join$3 SAME notif$7 SAME organization$2 near5 (chart OR position OR role)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 10:13 PM
L29	19	(important OR high priority) NEAR (position OR role) SAME join$3	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY,	ADJ	ON	ON	2022/03/25 10:24 PM

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		SAME notif$7 AND organization	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L30	93	(important OR high priority) NEAR (position OR role) SAME join$3 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 10:24 PM
L31	469	organization SAME (position OR role) SAME join$3 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 10:25 PM
L32	1	organization SAME (position OR role) SAME join$3 SAME notif$7 AND (H04L12/1818 AND H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH,	ADJ	ON	ON	2022/03/25 10:25 PM

			TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L33	82	organization SAME (position OR role) SAME join$3 SAME notif$7 SAME (meeting OR conference)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 10:26 PM
L34	445	organization SAME (position OR role) AND join$3 SAME notif$7 SAME (meeting OR conference)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 10:28 PM
L35	466	(important OR high priority) NEAR (participant OR person OR user OR attendee OR position OR role) SAME atten$4 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 10:34 PM
L36	3	(important OR high priority) NEAR (participant OR person OR user OR attendee OR position OR role)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	ADJ	ON	ON	2022/03/25 10:34 PM

		SAME atten$4 SAME notif$7 AND (H04L12/1818 AND H04L12/1822).cpc.	EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L37	8	(important OR high priority) NEAR (participant OR person OR user OR attendee OR position OR role) SAME atten$4 SAME notif$7 AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 10:35 PM
L38	71	(important OR high priority) NEAR (participant OR person OR user OR attendee OR position OR role) SAME atten$4 SAME notif$7 SAME (meeting OR conference)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 10:36 PM
L39	299	(important OR high priority) (participant OR person OR user OR attendee OR position OR role) SAME atten$4 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO;	ADJ	ON	ON	2022/03/25 10:41 PM

			JPO; DERWENT; IBM_TDB)				
L40	282	(important OR high priority) (participant OR person OR user OR attendee OR position OR role) SAME (meeting OR conference) SAME (notif$7 OR alert$3)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 10:47 PM
L42	16	(boss OR supervisor OR director OR ceo OR senior) SAME join$3 SAME notif$7 AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 10:58 PM
L43	829	(boss OR supervisor OR director OR ceo OR senior) SAME join$3 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 10:59 PM
L44	0	(boss OR supervisor OR director OR ceo OR senior) SAME join$3 SAME notif$7 AND orgnaization$2 NEAR chart	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	ADJ	ON	ON	2022/03/25 11:00 PM

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			IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L45	0	(boss OR supervisor OR director OR ceo OR senior) SAME join$3 SAME notif$7 AND orgnaization$2 SAME chart	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 11:00 PM
L46	6	(boss OR supervisor OR director OR ceo OR senior) near5 join$3 near5 (meeting OR conference) SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 11:00 PM
L47	9	(boss OR supervisor OR director OR ceo OR senior) SAME join$3 SAME notif$7 AND organizational chart	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 11:04 PM

L48	6	organizational chart SAME join$3 SAME notif$7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 11:05 PM
L49	57	organizational chart AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 11:06 PM
L50	0	persistent panel interface	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 11:09 PM
L51	28	persistent panel	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL,	ADJ	ON	ON	2022/03/25 11:09 PM

			NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L52	74	(user interface OR ui OR gui) SAME first portion SAME second portion AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 11:24 PM
L53	13	(user interface OR ui OR gui) SAME participant panel AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 11:29 PM
L54	57	(user interface OR ui OR gui) SAME participant panel AND (conference OR meeting)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 11:32 PM
L55	4	participant panel SAME status panel AND	(US-PGPUB; USPAT; USOCR; FIT (AP, AT,	ADJ	ON	ON	2022/03/25 11:37 PM

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		(conference OR meeting)	AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L56	0	participant panel SAME conference status AND (conference OR meeting)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 11:40 PM
L57	0	participant panel SAME meeting status AND (conference OR meeting)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 11:40 PM
L58	529	(client OR user OR participant OR attendee) near5 yet NEAR join$3 AND request	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE,	ADJ	ON	ON	2022/03/25 11:46 PM

			SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L59	194	(client OR user OR participant OR attendee) near5 yet NEAR join$3 AND request near5 information	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 11:46 PM
L60	14	(client OR user OR participant OR attendee) near5 yet NEAR join$3 SAME request near5 information	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 11:47 PM
L61	136	(client OR user OR participant OR attendee) near5 yet NEAR join$3 SAME request	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 11:47 PM
L62	4	(client OR user OR participant OR attendee) near5 yet NEAR join$3 SAME	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	ADJ	ON	ON	2022/03/25 11:50 PM

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		display$3 near5 who	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L63	209	(client OR user OR participant OR attendee) near5 yet NEAR join$3 SAME who	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 11:50 PM
L64	0	(client OR user OR participant OR attendee) near5 yet NEAR join$3 SAME who NEAR joined	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 11:51 PM
L65	113	(client OR user OR participant OR attendee) near5 yet NEAR join$3 SAME who near5 joined	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN,	ADJ	ON	ON	2022/03/25 11:51 PM

			WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L66	17	prior near5 (client OR user OR participant OR attendee) near5 join$3 SAME who near5 joined	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/25 11:56 PM
L67	404	prior near5 join$3 SAME (view$3 OR see$3) near5 (client OR user OR participant OR attendee)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 12:02 AM
L68	75	prior near5 join$3 SAME (view$3 OR see$3) near5 (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 12:02 AM
L69	18	prior near5 join$3 SAME (view$3 OR see$3) NEAR list	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	ADJ	ON	ON	2022/03/26 12:05 AM

			HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L70	3	prior near5 join$3 SAME (view$3 OR see$3) NEAR list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 12:06 AM
L71	12	prior near5 join$3 SAME list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 12:07 AM
L72	50	before near5 join$3 SAME list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	ADJ	ON	ON	2022/03/26 12:07 AM

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			IBM_TDB)				
L73	8	before NEAR join$3 SAME list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 12:07 AM
L74	10	yet near5 join$3 near5 list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 12:09 AM
L75	0	panel interfacea AND list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 12:11 AM
L76	15	panel interface AND list NEAR (participants OR attendees)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	ADJ	ON	ON	2022/03/26 12:11 AM

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			MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L77	20	interface near5 top NEAR display AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 12:13 AM
L78	1	gui near5 top NEAR display AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 12:15 AM
L79	0	alway NEAR top NEAR display AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 12:16 AM
L80	0	always NEAR top	(US-PGPUB; USPAT;	ADJ	ON	ON	2022/03/26

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		NEAR display AND (H04L12/1818 OR H04L12/1822).cpc.	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				12:16 AM
L81	5	persistent near5 top NEAR display AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 12:17 AM
L82	16	(conference OR virtual meeting OR collaboration) AND persistent near5 top NEAR display	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 12:18 AM
L83	3325	(conference OR virtual meeting OR collaboration) AND persistent near5 (interface OR gui OR ui)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL,	ADJ	ON	ON	2022/03/26 12:19 AM

			PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L84	628	(conference OR virtual meeting OR collaboration) AND persistent NEAR (interface OR gui OR ui)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 12:19 AM
L85	39	persistent NEAR (interface OR gui OR ui) AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 12:20 AM
L86	0	persistent NEAR (interface OR gui OR ui) NEAR top AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 12:21 AM
L87	20	persistent SAME (interface OR gui OR ui) SAME top AND	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY,	ADJ	ON	ON	2022/03/26 12:22 AM

		(H04L12/1818 OR H04L12/1822).cpc.	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L88	14	persistent near5 top AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 12:25 AM
L89	7	alway NEAR top AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 12:27 AM
L90	0	peristent NEAR panel AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH,	ADJ	ON	ON	2022/03/26 12:28 AM

			TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L91	0	persistent NEAR panel AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 12:28 AM
L92	0	(conference OR virtual meeting OR collaboration) AND persistent NEAR persistent NEAR panel	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 12:29 AM
L93	19	(conference OR virtual meeting OR collaboration) AND persistent NEAR panel	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 12:29 AM
L94	487	(conference OR virtual meeting OR collaboration) AND persistent NEAR5 window	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	ADJ	ON	ON	2022/03/26 12:36 AM

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			EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L95	12	persistent NEAR5 window AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 12:36 AM
L96	3	(conference OR virtual meeting OR collaboration) AND persistent NEAR5 window near5 top	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 12:38 AM
L97	42	(conference OR virtual meeting OR collaboration) AND persistent NEAR5 window SAME top	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO;	ADJ	ON	ON	2022/03/26 12:38 AM

			JPO; DERWENT; IBM_TDB)				
L98	4781	(conference OR virtual meeting OR collaboration) AND (sits OR stays) NEAR top	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 12:40 AM
L99	36	(sits OR stays) NEAR top AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 12:40 AM
L100	24	persistent NEAR display AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 12:42 AM
L101	11	remains NEAR top AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	ADJ	ON	ON	2022/03/26 12:46 AM

			HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L102	180	preference near5 priority near5 participant	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 02:37 AM
L103	10	preference near5 priority near5 participant AND (H04L12/1818 OR H04L12/1822).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 02:37 AM
L104	2	high priority near5 participant near5 preference	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	ADJ	ON	ON	2022/03/26 02:40 AM

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			IBM_TDB)				
L105	0	((("SWERDLOW") near3 ("Nick"))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	ADJ	ON	ON	2022/03/26 07:27 PM
L106	21	((("ZOOM") near3 ("VIDEO") near3 ("COMMUNICATIONS") near3 ("INC"))).AS,AANM.	(USPAT)	ADJ	ON	ON	2022/03/26 07:28 PM
L107	0	L105 AND L106	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/03/26 07:28 PM

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 17/472,023

APPLICATION AS FILED - PART I

	(Column 1)	(Column 2)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE($)	FEE($)		RATE($)	FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	320
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	700
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	800
TOTAL CLAIMS (37 CFR 1.16(i))	20 minus 20 =	*			OR	x 100 =	0.00
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3 minus 3 =	*				x 480 =	0.00
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						0.00
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							0.00
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	1820

APPLICATION AS AMENDED - PART II

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

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

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

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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
17/472,023	09/10/2021	2447	1820	ZOOM-164-A	20	3

CONFIRMATION NO. 2927

FILING RECEIPT

177453
Zoom Video Communications, Inc. at Young Basile
3001 West Big Beaver Rd., Ste. 624
Troy, MI 48084

OC000000128566635

Date Mailed: 09/22/2021

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)

Nick Swerdlow, Santa Clara, CA;

Applicant(s)

Zoom Video Communications, Inc., San Jose, CA;

Power of Attorney: The patent practitioners associated with Customer Number 177453

Domestic Applications for which benefit is claimed - None.
A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

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.

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If Required, Foreign Filing License Granted: 09/21/2021

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 17/472,023**

Projected Publication Date: 03/16/2023

Non-Publication Request: No

Early Publication Request: No

Title

Previewing Conference Participants Prior To Joining A Conference

Preliminary Class

709

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).

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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.

Zoom Communications, Inc. v. Ricoh Company, Ltd.
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Doc Code: PA..
Document Description: Power of Attorney

PTO/AIA/82A (07-13)
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TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	Not Yet Assigned
Filing Date	Concurrently Herewith
First Named Inventor	Nick Swerdlow
Title	Previewing Conference Participants Prior To Joining A Conference
Art Unit	N/A
Examiner Name	Not Yet Assigned
Attorney Docket Number	ZOOM-164-A

SIGNATURE of Applicant or Patent Practitioner

Signature	/Neil C. Maskeri/	Date (Optional)	September 10, 2021
Name	Neil C. Maskeri	Registration Number	61,591
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.

☐ *Total of 1 forms are submitted.

Doc Code: PA..
Document Description: Power of Attorney

PTO/AIA/82B (07-13)
Approved for use through 03/31/2021. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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POWER OF ATTORNEY BY APPLICANT

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

Application Number	Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

[X] I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above: 177453

OR

[ ] I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:

[X] The address associated with the above-mentioned Customer Number

OR

[ ] The address associated with Customer Number:

OR

[ ] Firm or Individual Name					
Address					
City		State		Zip	
Country					
Telephone		Email			

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

Zoom Video Communications, Inc.

[ ] Inventor or Joint Inventor (title not required below)

[ ] Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)

[X] Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)

[ ] Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature	Lopa Sengupta	Date (Optional)	JANUARY 27, 2021
Name	Lopa Sengupta		
Title	Senior Counsel, Patent Portfolio at Zoom Video Communications, Inc.		

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.

[ ] Total of 1 forms are submitted.

Electronic Patent Application Fee Transmittal

Application Number:	
Filing Date:	
Title of Invention:	Previewing Conference Participants Prior To Joining A Conference
First Named Inventor/Applicant Name:	Nick Swerdlow
Filer:	Neil C. Maskeri/Jessica Tumblin
Attorney Docket Number:	ZOOM-164-A

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
UTILITY APPLICATION FILING	1011	1	320	320
UTILITY SEARCH FEE	1111	1	700	700
UTILITY EXAMINATION FEE	1311	1	800	800
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**1820**

Electronic Acknowledgement Receipt

EFS ID:	43736406
Application Number:	17472023
International Application Number:	
Confirmation Number:	2927
Title of Invention:	Previewing Conference Participants Prior To Joining A Conference
First Named Inventor/Applicant Name:	Nick Swerdlow
Customer Number:	177453
Filer:	Neil C. Maskeri/Jessica Tumblin
Filer Authorized By:	Neil C. Maskeri
Attorney Docket Number:	ZOOM-164-A
Receipt Date:	10-SEP-2021
Filing Date:	
Time Stamp:	16:15:54
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$1820
RAM confirmation Number	E202190G16241895
Deposit Account	250115
Authorized User	Jessica Tumblin

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

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	Application Data Sheet	ZOOM164A_Application_Data_Sheet_Fillable_PDF_20210910.pdf	1255383 a6dc39de1155b1f52f1d75dea80c32fea5f95406	no	8
Warnings:					
Information:					
2	Information Disclosure Statement (IDS) Form (SB08)	ZOOM164A_Information_Disclosure_Statement_Fillable_PDF_20210910.pdf	1034251 8d7d78d17a0e50ddbc092a9989ac9de153bd47e9	no	4
Warnings:					
Information:					
3		ZOOM164A_Application.pdf	161914 2565f48805e25cca2eac7b667881971b298d96ef	yes	41

Multipart Description/PDF files in .zip description

Document Description	Start	End
Specification	1	36
Claims	37	40
Abstract	41	41

Warnings:					
Information:					
4	Drawings-only black and white line drawings	ZOOM164A_Drawings.pdf	139932 303dd54b98a1bbc6ba34d84ce34a858485221787	no	10
Warnings:					
Information:					
5	Oath or Declaration filed	ZOOM164A_ExecutedDec.pdf	83792 ac93147ff4aa938512866aa7cfaadbaf74fb56c6	no	1

Warnings:					
Information:					
6	Power of Attorney	ZOOM164_POATransmittal.pdf	16149 37c998b54491466fcbd45cf301ead4f27f247602	no	1
Warnings:					
Information:					
7	Power of Attorney	Zoom_POA_Executed_-_US_General.pdf	349029 5fa155b9bc237b856aee93907fb549e5b2d2563c	no	1
Warnings:					
Information:					
8	Fee Worksheet (SB06)	fee-info.pdf	44322 9a4ed31954cdf7c369cc8e943372b12f951c7c06	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	3084772		

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/AIA/14 (02-18)
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	ZOOM-164-A
	Application Number	
Title of Invention	Previewing Conference Participants Prior To Joining A Conference	

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
	Nick		Swerdlow	

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

City	State/Province	Country of Residence
Santa Clara	CA	US

Mailing Address of Inventor:

Address 1	55 Almaden Blvd.
Address 2	6th Floor

City	State/Province	Postal Code	Country
San Jose	CA	95113	US

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

Correspondence Information:

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

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

Customer Number	177453		
Email Address	docketing@youngbasile.com	Add Email	Remove Email

Application Information:

Title of the Invention	Previewing Conference Participants Prior To Joining A Conference		
Attorney Docket Number	ZOOM-164-A	**Small Entity Status Claimed**	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	10	**Suggested Figure for Publication (if any)**	

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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	ZOOM-164-A
	Application Number	
Title of Invention	Previewing Conference Participants Prior To Joining A Conference	

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	48980		

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			Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)

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

Zoom Communications, Inc. v. Ricoh Company, Ltd.
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PTO/AIA/14 (02-18)
Approved for use through 11/30/2020. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	ZOOM-164-A
	Application Number	
Title of Invention	Previewing Conference Participants Prior To Joining A Conference	

Foreign Priority Information:

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

Remove

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

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

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

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

PTO/AIA/14 (02-18)
Approved for use through 11/30/2020. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	ZOOM-164-A
	Application Number	
Title of Invention	Previewing Conference Participants Prior To Joining A Conference	

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.

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PTO/AIA/14 (02-18)
Approved for use through 11/30/2020. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	ZOOM-164-A
	Application Number	
Title of Invention	Previewing Conference Participants Prior To Joining A Conference	

Applicant Information:

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

Applicant 1 — Remove

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

Clear

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

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

Name of the Deceased or Legally Incapacitated Inventor:

If the Applicant is an Organization check here. ☒

Organization Name	Zoom Video Communications, Inc.		
Mailing Address Information For Applicant:			
Address 1	55 Almaden Blvd.		
Address 2	6th Floor		
City	San Jose	**State/Province**	CA
Country	US	Postal Code	95113
Phone Number	(888) 799-9666	Fax Number	
Email Address			

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

Assignee Information including Non-Applicant Assignee Information:

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

Zoom Communications, Inc. v. Ricoh Company, Ltd.
IPR2026-00407 | EX2007 | Page 373 of 432

PTO/AIA/14 (02-18)
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	ZOOM-164-A
	Application Number	
Title of Invention	Previewing Conference Participants Prior To Joining A Conference	

Assignee 1

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

Remove

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

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

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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	/Neil C. Maskeri/			Date (YYYY-MM-DD)	2021-09-10
First Name	Neil	Last Name	Maskeri	Registration Number	61,591

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Zoom Communications, Inc. v. Ricoh Company, Ltd.
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	ZOOM-164-A
	Application Number	
Title of Invention	Previewing Conference Participants Prior To Joining A Conference	

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.**

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

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

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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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(Not for submission under 37 CFR 1.99)

Application Number	
Filing Date	
First Named Inventor	Nick Swerdlow
Art Unit	N/A
Examiner Name	Not Yet Assigned
Attorney Docket Number	ZOOM-164-A

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Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	6853398		2005-02-08	Malzbender et al.	
	2	7603412		2009-10-13	Beyda	
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	1	20110107228	A1	2011-05-05	Huang	
	2	20070239827	A1	2007-10-11	Deboy et al.	
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	Application Number	
	Filing Date	
	First Named Inventor	Nick Swerdlow
	Art Unit	N/A
	Examiner Name	Not Yet Assigned
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	
	Filing Date	
	First Named Inventor	Nick Swerdlow
	Art Unit	N/A
	Examiner Name	Not Yet Assigned
	Attorney Docket Number	ZOOM-164-A

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	/Neil C. Maskeri/	Date (YYYY-MM-DD)	2021-09-10
Name/Print	Neil C. Maskeri	Registration Number	61,591

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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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)).

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PREVIEWING CONFERENCE PARTICIPANTS PRIOR TO JOINING A CONFERENCE

BACKGROUND

[0001] Enterprise entities rely upon several modes of communication to support their operations, including telephone, email, internal messaging, and the like. These separate modes of communication have historically been implemented by service providers whose services are not integrated with one another. The disconnect between these services, in at least some cases, requires information to be manually passed by users from one service to the next. Furthermore, some services, such as telephony services, are traditionally delivered via on-premises systems, meaning that remote workers and those who are generally increasingly mobile may be unable to rely upon them. One type of system which addresses problems such as these includes a unified communications as a service (UCaaS) platform, which includes several communications services accessible over a network, such as the Internet, to deliver a complete communication experience regardless of physical location.

SUMMARY

[0002] Disclosed herein are, *inter alia*, implementations of systems and techniques for enabling access to conference features at a client device without a connection between the client device and a conference.

[0003] One aspect of this disclosure is a method that may include transmitting a first graphical output to a client device. The first graphical output may be based on calendar data. The first graphical output may be displayed on a panel interface associated with a conference. The panel interface may have a first portion and a second portion. The first portion may include an indicator that indicates a conference status associated with the conference. The second portion may be an expansion of the panel interface that includes additional information associated with the conference. Prior to the client device joining the conference, the method may include receiving a request for participant information of the conference. Prior to the client device joining the conference, the method may include determining the participant information. The

participant information may be determined based on the request. Prior to the client device joining the conference, the method may include transmitting a second graphical output to the client device to display the participant information. The participant information may be displayed on the second portion of the panel interface.

[0004] Another aspect of this disclosure is a system for displaying conference information. The system may include a server and a client device. The server may be configured to transmit a first graphical output based on calendar data. The client device may be configured to display the first graphical output on a panel interface associated with a conference. The panel interface may have a first portion and a second portion. The first portion may include an indicator that indicates a conference status associated with the conference. The second portion may be an expansion of the panel interface that includes additional information associated with the conference. Prior to the client device joining the conference, the server may be configured to receive a request for participant information of the conference. Prior to the client device joining the conference, the server may be configured to determine the participant information based on the request. Prior to the client device joining the conference, the server may be configured to transmit a second graphical output to the client device. Prior to the client device joining the conference, the client device may be configured to display the participant information on the second portion of the panel interface.

[0005] Another aspect of this disclosure is a non-transitory computer-readable storage device including program instructions that, when executed by a processor, cause the processor to perform operations. The operations may include transmitting a first graphical output to a client device. The first graphical output may be based on calendar data for display on a panel interface associated with a conference. The panel interface may have a first portion and a second portion. The first portion may include an indicator that indicates a conference status associated with the conference. The second portion may be an expansion of the panel interface that includes additional information associated with the conference. Prior to the client device joining the conference, the operations may include receiving a request for participant information of the conference. Prior to the client device joining the conference, the operations may include determining the participant information based on the request. Prior to the client device joining the conference, the operations may include transmitting a second graphical output to the client device to display the participant information on the second portion of the panel interface.

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BRIEF DESCRIPTION OF THE DRAWINGS

[0006] This disclosure is best understood from the following detailed description when read in conjunction with the accompanying drawings. It is emphasized that, according to common practice, the various features of the drawings are not to-scale. On the contrary, the dimensions of the various features are arbitrarily expanded or reduced for clarity.

[0007] FIG. 1 is a block diagram of an example of an electronic computing and communications system.

[0008] FIG. 2 is a block diagram of an example internal configuration of a computing device of an electronic computing and communications system.

[0009] FIG. 3 is a block diagram of an example of a software platform implemented by an electronic computing and communications system.

[0010] FIG. 4 is a block diagram of an example of a system for providing a client device access to conference features without a connection between the client device and the conference.

[0011] FIG. 5 is a swim lane diagram of an example of a system for providing a client device access to conference participant information without a connection between the client device and the conference.

[0012] FIG. 6 is a swim lane diagram of an example of a system for providing a client device access to a conference messaging application without a connection between the client device and the conference.

[0013] FIG. 7 is a swim lane diagram of an example of a system for providing a client device access to conference items without a connection between the client device and the conference.

[0014] FIG. 8 is a flowchart of an example of a method for providing a client device access to conference participant information without a connection between the client device and the conference.

[0015] FIG. 9 is a flowchart of an example of a method for providing a client device access to a conference messaging application without a connection between the client device and the conference.

[0016] FIG. 10 is a flowchart of an example of a method for providing a client device access to conference items without a connection between the client device and the conference.

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DETAILED DESCRIPTION

[0017] A software platform, such as a UCaaS platform, may facilitate a conference between multiple participants, such as over conferencing software of the software platform. Typically, a user of conferencing software must first join a conference before being able to access features of that conference, for example, a list of other participants who have already joined the conference, functionality for messaging those participants who have already joined the conference, and an agenda for the conference. In particular, because conventional conferencing software systems require a channel be opened between a user device and the server implementing a conference before conference features can be accessed by a user, such systems do not allow a user to preview conference features without joining a conference. This technical limitation creates challenges in several types of scenarios, as will be discussed.

[0018] In one example, where a user is running late to a conference, the user may find themselves frustrated when they join the conference late only to find out that no other participants have joined or that the stakeholders have not yet joined. Often times the user may leave a current conference early, before it ends, in order to timely join a next conference only to find themselves waiting for other late participants. Knowing in advance which participants have joined such a next conference can help the user determine an appropriate time to join the conference, whether by leaving a current conference or otherwise. However, conventional conferencing software systems do not have the capability to allow a user device to access participant information for a conference without the user device connecting to the conference.

[0019] In another example, where a user is running late for a conference in progress, the user may want to contact one or more participants that have already joined the conference to notify them that they are running late or for other purposes. A typical solution is that the user sends an email to all the invitees of the conference; however, this is wasteful and annoying for invitees who declined the conference invitation, and in many cases the conference participants who are actively paying attention to the conference may simply ignore the email message. Conventional conferencing software systems do not have the capability to allow the user, via their user device, to communicate with one or more participants in the conference using an in-conference communication application without the user device connecting to the conference.

[0020] In yet another example, a user may join a conference without having any idea of what the conference is about. This could be because the user has consecutive conferences scheduled

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throughout the day and does not have time to prepare for a particular conference, the user has overlapping scheduled conferences, the user has multiple conferences scheduled for the same time slot, the title of the conference is ambiguous (e.g., "discuss problems"), or any combination thereof. Joining a conference unprepared can be embarrassing for the user and a waste of time for other conference participants while the user is briefed on the missed portion of the conference. In this situation, the user may want to preview one or more conference items prior to joining the conference in progress. The one or more conference items may include, and are not limited to, a list of topics to be addressed during the conference (e.g., an agenda), a presentation (e.g., a screen share), a real-time transcript, or any file or document that is associated with the conference. However, conventional conferencing software systems do not have the capability to allow a user device to access conference items without the user device connecting to the conference.

[0021] Implementations of this disclosure address problems such as these a using a conferencing system that enables client device access to one or more conference features prior to the client device joining a conference. The conferencing system may generate and store a conference object when a conference is initiated. The conference object may represent a conference that is in progress, a future conference, or a conference that occurred in the past. The conference object can include a list of conference participants, participant messaging data, one or more conference items, or any combination thereof. Each conference participant is associated with an attribute that indicates whether they accepted the conference invite, declined the conference invite, has joined the conference, a messaging status, a presentation status, an audio status, a video status, or any combination thereof. The participant messaging data may include a log of participant chat messages in a conference chat room, for example.

[0022] In an example, to enable a user of a client device to preview the participants in a conference without the client device connecting to the conference, the conferencing system may obtain calendar data to generate a graphical output. The graphical output may be a graphical user interface that includes a conference description, a conference topic or list thereof, a conference start time, a conference end time, a conference location, two or more conference participants, two or more conference participant invite statuses, or any combination thereof. The conferencing system is configured to transmit the graphical output for display on a client device that has not yet joined the conference. The conferencing system is configured to determine participant

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information. The participant information may include a participant invite status, a participant attendance status, a participant attendance time, a participant audio status, a participant video status, a representation of a participant, or any combination thereof. The participant invite status may include an indicator that indicates whether a given participant accepted or declined the conference invite. The participant attendance status may include an indicator that indicates that a given participant has joined the conference, has not joined the conference, or joined the conference and subsequently left the conference. The participant attendance time may include an indicator that indicates a time that a given participant joined the conference or a duration of time that the participant has been in the conference. The participant audio status may include an indicator that indicates that at a given time a given participant's microphone is on, the participant's microphone is muted, or that the participant is speaking. The participant video status may include an indicator that indicates that at a given time a given participant's video is on, the participant's video is off, or that the participant is presenting in the conference. A representation of the participant may include an avatar, a photograph, an icon, text, or any combination thereof. The conferencing system is configured to transmit a graphical output based on the participant information for display on the client device.

[0023] In an example, to enable a user of a client device to message one or more conference participants without the client device connecting to a conference, the conferencing system is configured to obtain information regarding the conference, which may be a conference in-progress. The conference information can include a conference description, a conference topic or list thereof, a conference start time, a conference end time, a conference location, participant information, or any combination thereof. The conferencing system is configured to transmit a graphical output based on the conference information to a client device for display. Prior to the client device joining the conference, the conferencing system is configured to receive a message to initiate a communication with a participant that is in the conference. The communication may be a text communication, such as a chat, an audio communication, such as an audio chat, a video communication, such as a video chat, or any combination thereof. The conferencing system is configured to grant the client device access to communicate with the participant in the conference. In one example, when the client device is granted access to communicate with the participant in the conference, the client device may access an in-conference communication application to communicate with the participant. An in-conference communication application

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may be a chat room associated with a conference in progress that is configured for text messaging, audio messaging, video messaging, or any combination thereof. In another example, when the client device is granted access to communicate with the participant in the conference, the client device may access a communication application that is not associated with the conference to communicate with the participant.

[0024] In an example, to enable a user of a client device to preview one or more conference items without the client device connecting to a conference, the conferencing system is configured to obtain a conference item and transmit a graphical output based on the conference item to a client device for display. The conference item may include an editable document, an agenda or list of topics, a real-time transcript, a downloadable file, or a real-time presentation. The conferencing system is configured to receive a request to view the conference item and transmit a graphical output to the client device based on the request to display the conference item.

[0025] To describe some implementations in greater detail, reference is first made to examples of hardware and software structures used to implement a system for providing a client device access to conference features without a connection between the client device and the conference. FIG. 1 is a block diagram of an example of an electronic computing and communications system 100, which can be or include a distributed computing system (e.g., a client-server computing system), a cloud computing system, a clustered computing system, or the like.

[0026] The system 100 includes one or more customers, such as customers 102A through 102B, which may each be a public entity, private entity, or another corporate entity or individual that purchases or otherwise uses software services, such as of a UCaaS platform provider. Each customer can include one or more clients. For example, as shown and without limitation, the customer 102A can include clients 104A through 104B, and the customer 102B can include clients 104C through 104D. A customer can include a customer network or domain. For example, and without limitation, the clients 104A through 104B can be associated or communicate with a customer network or domain for the customer 102A and the clients 104C through 104D can be associated or communicate with a customer network or domain for the customer 102B.

[0027] A client, such as one of the clients 104A through 104D, may be or otherwise refer to one or both of a client device or a client application. Where a client is or refers to a client device, the client can comprise a computing system, which can include one or more computing devices,

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such as a mobile phone, a tablet computer, a laptop computer, a notebook computer, a desktop computer, or another suitable computing device or combination of computing devices. Where a client instead is or refers to a client application, the client can be an instance of software running on a customer device (e.g., a client device or another device). In some implementations, a client can be implemented as a single physical unit or as a combination of physical units. In some implementations, a single physical unit can include multiple clients.

[0028] The system 100 can include a number of customers and/or clients or can have a configuration of customers or clients different from that generally illustrated in FIG. 1. For example, and without limitation, the system 100 can include hundreds or thousands of customers, and at least some of the customers can include or be associated with a number of clients.

[0029] The system 100 includes a datacenter 106, which may include one or more servers. The datacenter 106 can represent a geographic location, which can include a facility, where the one or more servers are located. The system 100 can include a number of datacenters and servers or can include a configuration of datacenters and servers different from that generally illustrated in FIG. 1. For example, and without limitation, the system 100 can include tens of datacenters, and at least some of the datacenters can include hundreds or another suitable number of servers. In some implementations, the datacenter 106 can be associated or communicate with one or more datacenter networks or domains, which can include domains other than the customer domains for the customers 102A through 102B.

[0030] The datacenter 106 includes servers used for implementing software services of a UCaaS platform. The datacenter 106 as generally illustrated includes an application server 108, a database server 110, and a telephony server 112. The servers 108 through 112 can each be a computing system, which can include one or more computing devices, such as a desktop computer, a server computer, or another computer capable of operating as a server, or a combination thereof. A suitable number of each of the servers 108 through 112 can be implemented at the datacenter 106. The UCaaS platform uses a multi-tenant architecture in which installations or instantiations of the servers 108 through 112 is shared amongst the customers 102A through 102B.

[0031] In some implementations, one or more of the servers 108 through 112 can be a non-hardware server implemented on a physical device, such as a hardware server. In some implementations, a combination of two or more of the application server 108, the database server

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110, and the telephony server 112 can be implemented as a single hardware server or as a single non-hardware server implemented on a single hardware server. In some implementations, the datacenter 106 can include servers other than or in addition to the servers 108 through 112, for example, a media server, a proxy server, or a web server.

[0032] The application server 108 runs web-based software services deliverable to a client, such as one of the clients 104A through 104D. As described above, the software services may be of a UCaaS platform. For example, the application server 108 can implement all or a portion of a UCaaS platform, including conferencing software, messaging software, and/or other intra-party or inter-party communications software. The application server 108 may, for example, be or include a unitary Java Virtual Machine (JVM).

[0033] In some implementations, the application server 108 can include an application node, which can be a process executed on the application server 108. For example, and without limitation, the application node can be executed in order to deliver software services to a client, such as one of the clients 104A through 104D, as part of a software application. The application node can be implemented using processing threads, virtual machine instantiations, or other computing features of the application server 108. In some such implementations, the application server 108 can include a suitable number of application nodes, depending upon a system load or other characteristics associated with the application server 108. For example, and without limitation, the application server 108 can include two or more nodes forming a node cluster. In some such implementations, the application nodes implemented on a single application server 108 can run on different hardware servers.

[0034] The database server 110 stores, manages, or otherwise provides data for delivering software services of the application server 108 to a client, such as one of the clients 104A through 104D. In particular, the database server 110 may implement one or more databases, tables, or other information sources suitable for use with a software application implemented using the application server 108. The database server 110 may include a data storage unit accessible by software executed on the application server 108. A database implemented by the database server 110 may be a relational database management system (RDBMS), an object database, an XML database, a configuration management database (CMDB), a management information base (MIB), one or more flat files, other suitable non-transient storage mechanisms, or a combination thereof. The system 100 can include one or more database servers, in which

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each database server can include one, two, three, or another suitable number of databases configured as or comprising a suitable database type or combination thereof.

[0035] In some implementations, one or more databases, tables, other suitable information sources, or portions or combinations thereof may be stored, managed, or otherwise provided by one or more of the elements of the system 100 other than the database server 110, for example, the client 104 or the application server 108.

[0036] The telephony server 112 enables network-based telephony and web communications from and to clients of a customer, such as the clients 104A through 104B for the customer 102A or the clients 104C through 104D for the customer 102B. Some or all of the clients 104A through 104D may be voice over internet protocol (VOIP)-enabled devices configured to send and receive calls over a network 114. In particular, the telephony server 112 includes a session initiation protocol (SIP) zone and a web zone. The SIP zone enables a client of a customer, such as the customer 102A or 102B, to send and receive calls over the network 114 using SIP requests and responses. The web zone integrates telephony data with the application server 108 to enable telephony-based traffic access to software services run by the application server 108. Given the combined functionality of the SIP zone and the web zone, the telephony server 112 may be or include a cloud-based private branch exchange (PBX) system.

[0037] The SIP zone receives telephony traffic from a client of a customer and directs same to a destination device. The SIP zone may include one or more call switches for routing the telephony traffic. For example, to route a VOIP call from a first VOIP-enabled client of a customer to a second VOIP-enabled client of the same customer, the telephony server 112 may initiate a SIP transaction between a first client and the second client using a PBX for the customer. However, in another example, to route a VOIP call from a VOIP-enabled client of a customer to a client or non-client device (e.g., a desktop phone which is not configured for VOIP communication) which is not VOIP-enabled, the telephony server 112 may initiate a SIP transaction via a VOIP gateway that transmits the SIP signal to a public switched telephone network (PSTN) system for outbound communication to the non-VOIP-enabled client or non-client phone. Hence, the telephony server 112 may include a PSTN system and may in some cases access an external PSTN system.

[0038] The telephony server 112 includes one or more session border controllers (SBCs) for interfacing the SIP zone with one or more aspects external to the telephony server 112. In

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particular, an SBC can act as an intermediary to transmit and receive SIP requests and responses between clients or non-client devices of a given customer with clients or non-client devices external to that customer. When incoming telephony traffic for delivery to a client of a customer, such as one of the clients 104A through 104D, originating from outside the telephony server 112 is received, an SBC receives the traffic and forwards it to a call switch for routing to the client.

[0039] In some implementations, the telephony server 112, via the SIP zone, may enable one or more forms of peering to a carrier or customer premise. For example, Internet peering to a customer premise may be enabled to ease the migration of the customer from a legacy provider to a service provider operating the telephony server 112. In another example, private peering to a customer premise may be enabled to leverage a private connection terminating at one end at the telephony server 112 and at the other end at a computing aspect of the customer environment. In yet another example, carrier peering may be enabled to leverage a connection of a peered carrier to the telephony server 112.

[0040] In some such implementations, an SBC or telephony gateway within the customer environment may operate as an intermediary between the SBC of the telephony server 112 and a PSTN for a peered carrier. When an external SBC is first registered with the telephony server 112, a call from a client can be routed through the SBC to a load balancer of the SIP zone, which directs the traffic to a call switch of the telephony server 112. Thereafter, the SBC may be configured to communicate directly with the call switch.

[0041] The web zone receives telephony traffic from a client of a customer, via the SIP zone, and directs same to the application server 108 via one or more Domain Name System (DNS) resolutions. For example, a first DNS within the web zone may process a request received via the SIP zone and then deliver the processed request to a web service which connects to a second DNS at or otherwise associated with the application server 108. Once the second DNS resolves the request, it is delivered to the destination service at the application server 108. The web zone may also include a database for authenticating access to a software application for telephony traffic processed within the SIP zone, for example, a softphone.

[0042] The clients 104A through 104D communicate with the servers 108 through 112 of the datacenter 106 via the network 114. The network 114 can be or include, for example, the Internet, a local area network (LAN), a wide area network (WAN), a virtual private network (VPN), or another public or private means of electronic computer communication capable of

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transferring data between a client and one or more servers. In some implementations, a client can connect to the network 114 via a communal connection point, link, or path, or using a distinct connection point, link, or path. For example, a connection point, link, or path can be wired, wireless, use other communications technologies, or a combination thereof.

[0043] The network 114, the datacenter 106, or another element, or combination of elements, of the system 100 can include network hardware such as routers, switches, other network devices, or combinations thereof. For example, the datacenter 106 can include a load balancer 116 for routing traffic from the network 114 to various servers associated with the datacenter 106. The load balancer 116 can route, or direct, computing communications traffic, such as signals or messages, to respective elements of the datacenter 106.

[0044] For example, the load balancer 116 can operate as a proxy, or reverse proxy, for a service, such as a service provided to one or more remote clients, such as one or more of the clients 104A through 104D, by the application server 108, the telephony server 112, and/or another server. Routing functions of the load balancer 116 can be configured directly or via a DNS. The load balancer 116 can coordinate requests from remote clients and can simplify client access by masking the internal configuration of the datacenter 106 from the remote clients.

[0045] In some implementations, the load balancer 116 can operate as a firewall, allowing or preventing communications based on configuration settings. Although the load balancer 116 is depicted in FIG. 1 as being within the datacenter 106, in some implementations, the load balancer 116 can instead be located outside of the datacenter 106, for example, when providing global routing for multiple datacenters. In some implementations, load balancers can be included both within and outside of the datacenter 106. In some implementations, the load balancer 116 can be omitted.

[0046] FIG. 2 is a block diagram of an example internal configuration of a computing device 200 of an electronic computing and communications system. In one configuration, the computing device 200 may implement one or more of the client 104, the application server 108, the database server 110, or the telephony server 112 of the system 100 shown in FIG. 1.

[0047] The computing device 200 includes components or units, such as a processor 202, a memory 204, a bus 206, a power source 208, peripherals 210, a user interface 212, a network interface 214, other suitable components, or a combination thereof. One or more of the memory 204, the power source 208, the peripherals 210, the user interface 212, or the network interface

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214 can communicate with the processor 202 via the bus 206.

[0048] The processor 202 is a central processing unit, such as a microprocessor, and can include single or multiple processors having single or multiple processing cores. Alternatively, the processor 202 can include another type of device, or multiple devices, configured for manipulating or processing information. For example, the processor 202 can include multiple processors interconnected in one or more manners, including hardwired or networked. The operations of the processor 202 can be distributed across multiple devices or units that can be coupled directly or across a local area or other suitable type of network. The processor 202 can include a cache, or cache memory, for local storage of operating data or instructions.

[0049] The memory 204 includes one or more memory components, which may each be volatile memory or non-volatile memory. For example, the volatile memory can be random access memory (RAM) (e.g., a DRAM module, such as DDR SDRAM). In another example, the non-volatile memory of the memory 204 can be a disk drive, a solid state drive, flash memory, or phase-change memory. In some implementations, the memory 204 can be distributed across multiple devices. For example, the memory 204 can include network-based memory or memory in multiple clients or servers performing the operations of those multiple devices.

[0050] The memory 204 can include data for immediate access by the processor 202. For example, the memory 204 can include executable instructions 216, application data 218, and an operating system 220. The executable instructions 216 can include one or more application programs, which can be loaded or copied, in whole or in part, from non-volatile memory to volatile memory to be executed by the processor 202. For example, the executable instructions 216 can include instructions for performing some or all of the techniques of this disclosure. The application data 218 can include user data, database data (e.g., database catalogs or dictionaries), or the like. In some implementations, the application data 218 can include functional programs, such as a web browser, a web server, a database server, another program, or a combination thereof. The operating system 220 can be, for example, Microsoft Windows®, Mac OS X®, or Linux®; an operating system for a mobile device, such as a smartphone or tablet device; or an operating system for a non-mobile device, such as a mainframe computer.

[0051] The power source 208 provides power to the computing device 200. For example, the power source 208 can be an interface to an external power distribution system. In another example, the power source 208 can be a battery, such as where the computing device 200 is a

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mobile device or is otherwise configured to operate independently of an external power distribution system. In some implementations, the computing device 200 may include or otherwise use multiple power sources. In some such implementations, the power source 208 can be a backup battery.

[0052] The peripherals 210 includes one or more sensors, detectors, or other devices configured for monitoring the computing device 200 or the environment around the computing device 200. For example, the peripherals 210 can include a geolocation component, such as a global positioning system location unit. In another example, the peripherals can include a temperature sensor for measuring temperatures of components of the computing device 200, such as the processor 202. In some implementations, the computing device 200 can omit the peripherals 210.

[0053] The user interface 212 includes one or more input interfaces and/or output interfaces. An input interface may, for example, be a positional input device, such as a mouse, touchpad, touchscreen, or the like; a keyboard; or another suitable human or machine interface device. An output interface may, for example, be a display, such as a liquid crystal display, a cathode-ray tube, a light emitting diode display, or other suitable display.

[0054] The network interface 214 provides a connection or link to a network (e.g., the network 114 shown in FIG. 1). The network interface 214 can be a wired network interface or a wireless network interface. The computing device 200 can communicate with other devices via the network interface 214 using one or more network protocols, such as using Ethernet, transmission control protocol (TCP), internet protocol (IP), power line communication, an IEEE 802.X protocol (e.g., Wi-Fi, Bluetooth, or ZigBee), infrared, visible light, general packet radio service (GPRS), global system for mobile communications (GSM), code-division multiple access (CDMA), Z-Wave, another protocol, or a combination thereof.

[0055] FIG. 3 is a block diagram of an example of a software platform 300 implemented by an electronic computing and communications system, for example, the system 100 shown in FIG. 1. The software platform 300 is a UCaaS platform accessible by clients of a customer of a UCaaS platform provider, for example, the clients 104A through 104B of the customer 102A or the clients 104C through 104D of the customer 102B shown in FIG. 1. The software platform 300 may be a multi-tenant platform instantiated using one or more servers at one or more datacenters including, for example, the application server 108, the database server 110, and the

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telephony server 112 of the datacenter 106 shown in FIG. 1.

[0056] The software platform 300 includes software services accessible using one or more clients. For example, a customer 302 as shown includes four clients – a desk phone 304, a computer 306, a mobile device 308, and a shared device 310. The desk phone 304 is a desktop unit configured to at least send and receive calls and includes an input device for receiving a telephone number or extension to dial to and an output device for outputting audio and/or video for a call in progress. The computer 306 is a desktop, laptop, or tablet computer including an input device for receiving some form of user input and an output device for outputting information in an audio and/or visual format. The mobile device 308 is a smartphone, wearable device, or other mobile computing aspect including an input device for receiving some form of user input and an output device for outputting information in an audio and/or visual format. The desk phone 304, the computer 306, and the mobile device 308 may generally be considered personal devices configured for use by a single user. The shared device 310 is a desk phone, a computer, a mobile device, or a different device which may instead be configured for use by multiple specified or unspecified users. In some implementations, a client may be a vehicle or a component thereof. A vehicle may include an automobile, an aircraft, a watercraft, a spacecraft, a train, a monorail, or a hyperloop.

[0057] Each of the clients 304 through 310 includes or runs on a computing device configured to access at least a portion of the software platform 300. In some implementations, the customer 302 may include additional clients not shown. For example, the customer 302 may include multiple clients of one or more client types (e.g., multiple desk phones or multiple computers) and/or one or more clients of a client type not shown in FIG. 3 (e.g., wearable devices or televisions other than as shared devices). For example, the customer 302 may have tens or hundreds of desk phones, computers, mobile devices, and/or shared devices.

[0058] The software services of the software platform 300 generally relate to communications tools, but are in no way limited in scope. As shown, the software services of the software platform 300 include telephony software 312, conferencing software 314, messaging software 316, and other software 318. Some or all of the software 312 through 318 uses customer configurations 320 specific to the customer 302. The customer configurations 320 may, for example, be data stored within a database or other data store at a database server, such as the database server 110 shown in FIG. 1.

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[0059] The telephony software 312 enables telephony traffic between ones of the clients 304 through 310 and other telephony-enabled devices, which may be other ones of the clients 304 through 310, other VOIP-enabled clients of the customer 302, non-VOIP-enabled devices of the customer 302, VOIP-enabled clients of another customer, non-VOIP-enabled devices of another customer, or other VOIP-enabled clients or non-VOIP-enabled devices. Calls sent or received using the telephony software 312 may, for example, be sent or received using the desk phone 304, a softphone running on the computer 306, a mobile application running on the mobile device 308, or using the shared device 310 that includes telephony features.

[0060] The telephony software 312 further enables phones that do not include a client application to connect to other software services of the software platform 300. For example, the telephony software 312 may receive and process calls from phones not associated with the customer 302 to route that telephony traffic to one or more of the conferencing software 314, the messaging software 316, or the other software 318.

[0061] The conferencing software 314 enables audio, video, and/or other forms of conferences between multiple participants, such as to facilitate a conference between those participants. In some cases, the participants may all be physically present within a single location, for example, a conference room, in which the conferencing software 314 may facilitate a conference between only those participants and using one or more clients within the conference room. In some cases, one or more participants may be physically present within a single location and one or more other participants may be remote, in which the conferencing software 314 may facilitate a conference between all of those participants using one or more clients within the conference room and one or more remote clients. In some cases, the participants may all be remote, in which the conferencing software 314 may facilitate a conference between the participants using different clients for the participants. The conferencing software 314 can include functionality for hosting, presenting scheduling, joining, or otherwise participating in a conference. The conferencing software 314 may further include functionality for recording some or all of a conference and/or documenting a transcript for the conference.

[0062] The messaging software 316 enables instant messaging, unified messaging, and other types of messaging communications between multiple devices, such as to facilitate a chat or other virtual conversation between users of those devices. The unified messaging functionality of the messaging software 316 may, for example, refer to email messaging which includes a

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voicemail transcription service delivered in email format.

[0063] The other software 318 enables other functionality of the software platform 300. Examples of the other software 318 include, but are not limited to, device management software, resource provisioning and deployment software, administrative software, third party integration software, and the like. In one particular example, the other software 318 can include functionality to provide a client device with access to conference features without the client device connecting to a conference.

[0064] The software 312 through 318 may be implemented using one or more servers, for example, of a datacenter such as the datacenter 106 shown in FIG 1. For example, one or more of the software 312 through 318 may be implemented using an application server, a database server, and/or a telephony server, such as the servers 108 through 112 shown in FIG. 1. In another example, one or more of the software 312 through 318 may be implemented using servers not shown in FIG. 1, for example, a meeting server, a web server, or another server. In yet another example, one or more of the software 312 through 318 may be implemented using one or more of the servers 108 through 112 and one or more other servers. The software 312 through 318 may be implemented by different servers or by the same server.

[0065] Features of the software services of the software platform 300 may be integrated with one another to provide a unified experience for users. For example, the messaging software 316 may include a user interface element configured to initiate a call with another user of the customer 302. In another example, the telephony software 312 may include functionality for elevating a telephone call to a conference. In yet another example, the conferencing software 314 may include functionality for sending and receiving instant messages between participants and/or other users of the customer 302. In yet another example, the conferencing software 314 may include functionality for file sharing between participants and/or other users of the customer 302. In some implementations, some or all of the software 312 through 318 may be combined into a single software application run on clients of the customer, such as one or more of the clients 304 through 310.

[0066] FIG. 4 is a block diagram of an example of a system 400 for providing a client device access to conference features without a connection between the client and a conference. For example, the system 400 may be configured to allow a client device to preview conference participants prior to joining the conference, message one or more conference participants prior to

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joining the conference, view a conference item prior to joining the conference, or any combination thereof. The system 400 includes a client device 402, a server 404, client devices 406A through 406N, and a user system 408. The client device 402 and the client devices 406A through 406N may each be any one of the clients 304 to 310 shown in FIG. 3 or similar types of client devices, whether or not corresponding to a customer of a software platform. The server 404 may be used to implement at least a portion of a software platform which implements conferencing functionality, such as the software platform 300 shown in FIG. 3. In an example, the functionality to provide access to conference features prior to joining a conference may be implemented in the other software 318 shown in FIG. 3. The user system 408 may include or otherwise access a database server, such as the database server 110 shown in FIG. 1, that stores calendar records 407 of users of the system 400. In some examples, the user system 408 may be implemented as a component of the server 404.

[0067] The server 404 includes conferencing software 410. The conferencing software 410 may, for example, be the conferencing software 314 shown in FIG. 3. The conferencing software 410 is configured to enable audio, video, and/or other forms of conferences between multiple participants, such as users of the client devices 406A through 406N.

[0068] In this example, the client device 402 has not yet joined the conference, and the client devices 406A through 406N have joined the conference. Any one of the users of the client devices 406A through 406N may have initiated the conference. When the conference is initiated, the conferencing software 410 generates a conference object and stores the conference object in a memory of the server 404. Each participant of the conference is associated with an attribute that indicates whether the participant accepted the conference invite, declined the conference invite, or has joined the conference. The conferencing software 410 is configured to detect changes in the conference, update the conference object, and store the updated conference object in the memory of the server 404. The detected changes may include, but are not limited to, a participant joining the conference, a participant leaving the conference, a participant speaking or presenting, a change in audio status of a client device, a change in video status of a client device, a change in a messaging application of the conference, a recording status change, or a change in an agenda or list of topics or other file associated with the conference.

[0069] The conferencing software 410 is configured to obtain calendar data from the user system 408. In some examples, the conferencing software 410 may transmit a request for

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calendar data to the user system 408 to obtain the calendar data. The calendar data may include a description of the conference, an agenda or list of topics for the conference, a conference start time, a conference end time, a location, two or more conference participants, two or more conference participant invite statuses, or any combination thereof. The conferencing software 410 is configured to generate a graphical output based on the calendar data and transmit the graphical output to a client device for display. The graphical output may be transmitted to client device 402, client devices 406A through 406N, or both.

[0070] In this example, the client device 402 receives the graphical output and displays the graphical output on a display of the client device 402. The graphical output is displayed as a panel on the display of the client device 402. The panel may be a persistent panel that is an extensible panel that sits on a display of the client device 402 to make the user aware of conference information or real-time communications in one or more modalities and to enable the user to take some action in response to the conference information or real-time communication in a single click regardless of the modality. The panel generally occupies less display space than a typical software application, and, in some cases, the size may be configurable based on user preferences and/or based on a number of applications integrated within the panel. The panel may be persistent such that it remains on top of the display of the client device 402 for immediate viewing at all times, unless otherwise configured. The single-click actions may correspond to response actions including to join the conference, leave the conference, message participants of the conference, turn video on/off, mute/unmute a microphone. In some examples, a single-click action to message participants of the conference may include prewritten messages. The panel may be configured, initialized, or otherwise used within a graphical output using the other software 318 shown in FIG. 3.

[0071] In this example, the panel is configured to display information associated with a conference that the client device 402 has not yet joined. The conference can be a conference to which the user was invited as a participant, or a conference that the user created as a host. A portion of the panel may include an indicator that indicates a conference status associated with the conference. The indicator can be a color or an icon. For example, the color may indicate that the conference is in the future, the user is late for the conference (e.g., the conference start time has passed, and no other participants have joined), or that the conference has started (e.g., other participants have joined).

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[0072] The user of the client device 402 can provide an input to expand the panel to view more information regarding the conference. The input can include hovering a cursor over the portion of the panel, touching the portion of the panel, or pressing one or more keys/buttons, for example, a keyboard shortcut. In response to the input, the client device 402 is configured to transmit a request to the server 404 to obtain conference information. The conferencing software 410 is configured to obtain the conference object from the memory of the server 404 and determine the conference information based on the request. The conferencing software 410 is configured to generate a graphical output based on the determined conference information and transmit the graphical output to the client device 402 for display in the expanded portion of the panel.

[0073] In some implementations, the conference information is periodically obtained by the client device 402 without manual user intervention (i.e., without the need for user input) and displayed when the user expands the panel. In some implementations, the conference information is automatically pushed to the client device 402 without the need for a request and displayed when the user expands the panel.

[0074] In some implementations, the graphical output may be displayed within a graphical user interface of a client application running at the client device 402 or as a pop-up window. The display of the graphical user interface using the client application or pop-up window may be implemented to make the user aware of conference information or real-time communications in one or more modalities and to enable the user to take some action in response to the conference information or real-time communication in a single click regardless of the modality.

[0075] FIG. 5 is a swim lane diagram of an example of a system 500 for providing a client device access to conference participant information without a connection between the client and the conference. The system 500 includes a client device 502, a server 504, a client device 506, and a user system 508. The client device 502 may be the client device 402 shown in FIG. 4, and the client device 506 may be any one of the client devices 406A to 406N shown in FIG. 4. The server 504 may be the same as server 404 shown in FIG. 4, and may be used to implement the software platform 300 shown in FIG. 3. In an example, the functionality for providing access to conference participant information without having to join the conference may be implemented in the other software 318 shown in FIG. 3. The user system 508 may be a database server, such as database server 110 shown in FIG. 1. In some examples, the user system 508 may be

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implemented as a component of the server 504.

[0076] In this example, a user of the client device 502 may be in a current conference and running late for a next conference. The user would like to preview the participants of the next conference who are in attendance in order to determine when to leave the current conference to join the next conference. Attendance information for the participants of the next conference may be based on calendar data. As shown in FIG. 5, the server 504 is configured to obtain calendar data 510 from the user system 508. The server 504 is configured to generate a graphical output 512 based on the calendar data 510, and transmit the graphical output 512 to the client device 502.

[0077] The client device 502 is configured to receive the graphical output 512 and display 514 the graphical output 512, or portions thereof, within a panel on a display of the client device 502. The panel may be configured to display information associated with a conference, for example, a conference that the client device 502 has not yet joined. A portion of the panel may include an indicator that indicates a conference status associated with the conference. The indicator can be a color or an icon. For example, the color may indicate that the conference is a future conference, the conference has started without participants, the conference has started with participants, the conference has started and there is at least one high priority participant in attendance, the conference has an active screen share, or that the conference has ended.

[0078] At some point in time, the client device 506 transmits a join message 516 to the server 504 to connect to a conference 518. The conference 518 may be a conference in progress, or it may be a conference that is initiated by the join message 516. The server 504 is configured to receive the join message 516 and create or update 520 a conference object associated with the conference 518. The server 504 grants the client device 506 access to the conference 518, and the client device 506 joins the conference 518, for example, via conferencing software 410 shown in FIG. 4.

[0079] At this point, the client device 502 has not yet joined the conference 518. The server 504 is configured to determine 522 participant information. The participant information is determined based on the conference object, and may include a participant invite status for one or more participants, a participant attendance status for one or more participants, a participant attendance time for one or more participants, a participant preview status for one or more participants, a participant indicator for one or more participants, such as a participant name, or

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representation thereof, a participant audio status for one or more participants, a participant video status for one or more participants, a participant presentation status for one or more participants, or any combination thereof.

[0080] The participant invite status may indicate whether the participant accepted or declined the conference invite. The participant attendance status may indicate that the participant has joined the conference, has not joined the conference, or joined the conference and subsequently left the conference. The participant attendance time may indicate a time that the participant joined the conference or a duration of time that the participant has been in the conference. The participant preview status may indicate whether the participant is currently previewing the conference or has previewed the conference within a predetermined period of time. The participant audio status may indicate that the participant microphone is on, the participant microphone is muted, or that the participant is speaking. The participant video status may indicate that the participant video is on, the participant video is off, or that the participant is presenting in the conference. A representation of the participant may include an avatar, a photograph, an icon, text, or any combination thereof. The participant presentation status may be an indication of whether the participant is currently performing a screen share.

[0081] The server 504 is configured to generate a graphical output 524 based on the participant information and transmit the graphical output 524 to the client device 502. The client device 502 is configured to receive the graphical output 524 and display 526 at least a portion thereof in an expanded portion of the panel. The graphical output 524 may include one or more visual indicators. For example, a visual indicator may indicate whether a participant has their video or audio on or off based on the participant video status or the participant audio status. A visual indicator may indicate who is speaking in the conference based on the participant audio status. A visual indicator may indicate a duration of time that the participant has been in the conference based on participant attendance time. A visual indicator may indicate that a participant is performing a screen share based on the participant presentation status. A visual indicator may indicate whether the conference is being recorded based on the conference status.

[0082] In some implementations, the client device 502 may transmit a request 528 for participant information to the server 504. The request 528 may be transmitted in response to an input from a user to expand the panel to view more information, such as participant information. In some implementations, the graphical output 524 is periodically transmitted to the client device

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502 without the need for an input, and displayed when the user expands the panel. In some implementations, the graphical output 524 is automatically pushed to the client device 502 when there is an update to the conference object, without the need for the request 528, and displayed when the user expands the panel.

[0083] In some implementations, the server 504 may transmit a notification to the client device 502 to notify the user that a high priority participant has joined or left the conference 518. A high priority participant may be a supervisor of the user or other stakeholder. In this example, the server 504 may determine a priority level for a participant based on an organizational structure or a user preference. The server 504 may determine the priority level using a machine learning (ML) model and historical conference data of the user and one or more other users of the system 500. In some examples, a priority level for each participant may be determined.

[0084] In some implementations, the server 504 may transmit a notification to a client device that has not yet joined the conference 518, such as the client device 502, to notify the user that a threshold of participants for a quorum has been reached in the conference 518. The threshold may be based on a percentage, for example, the number of participants that have joined the conference 518 relative to the number of participants that accepted the conference invite. The threshold may be a configurable value. In an example, the notification may be transmitted when 50% of the participants that accepted the conference invite have joined the conference 518. In some examples, a notification may be transmitted when quorum is lost, for example, when a participant leaves the conference 518.

[0085] In some situations, it may be helpful to see who is previewing the conference or how many participants are previewing the conference, for example, to avoid a situation where no one is joining the conference because the conference is empty. In some implementations, the server 504 may transmit a notification to a client device that has not joined the conference 518, such as client device 502. The notification may be transmitted based on a determination that one or more participants are previewing the conference 518 or have previewed the conference 518 within a predetermined period of time. The notification may be a pop-up message on a client device display to join the conference 518 when one or more participants are previewing the conference 518 or have previewed the conference 518 within a predetermined period of time. The notification may be transmitted when a threshold of a number of previewing participants is met. The notification may be transmitted when a high priority participant is previewing the

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conference 518 or has joined the conference 518.

[0086] In some situations, a user may not have received an invite for a particular meeting, either inadvertently or because the host was not aware that the user should be invited. In such a case, and in some implementations, the server 504 may be configured to transmit a notification to a client device to join a conference to which the user was not invited. For example, the server 504 may determine that the user should be invited based on historical conference data of the user and one or more other users of the system 500 that were invited to the conference.

[0087] FIG. 6 is a swim lane diagram of an example of a system 600 for providing a client device access to a conference messaging application without a connection between the client device and the conference. The system 600 includes a client device 602, a server 604, and a client device 606. The client device 602 may be the client device 402 shown in FIG. 4, and the client device 606 may be any one of the client devices 406A to 406N shown in FIG. 4. The server 604 may be the same as server 404 shown in FIG. 4, and may be used to implement the software platform 300 shown in FIG. 3. In an example, the functionality for providing access to conference participant information without having to join the conference may be implemented in the other software 318 shown in FIG. 3.

[0088] As shown in FIG. 6, client device 606 transmits a join message 608 to the server 604 to connect to a conference 610. The conference 610 may be a conference in progress, or it may be a conference that is initiated by the join message 608. The server 604 is configured to receive the join message 608 and create or update 612 a conference object associated with the conference 610. The server 604 grants the client device 606 access to the conference 610, and the client device 606 joins the conference 610, for example, via the conference software 410 shown in FIG. 4.

[0089] At this point, the client device 602 has not yet joined the conference 610. The server 604 may be configured to determine conference information based on the conference object. The conference information can include a conference description, a conference topic or list thereof, a conference start time, a conference end time, a conference location, participant information, or any combination thereof. The server 604 is configured to generate a graphical output 614 based on the conference information and transmit the graphical output 614 to the client device 602. The client device 602 is configured to receive the graphical output 614 and display 616 at least a portion thereof in an expanded portion of a panel associated with the conference 610 on a display

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of the client device 602. The graphical output 614 may include one or more visual indicators associated with the conference information.

[0090] The display 616 of the graphical output 614 may be triggered by an input to the client device 602 to expand the panel. The input can include hovering a cursor over the portion of the panel, touching the portion of the panel, or pressing one or more keys/buttons, for example, a keyboard shortcut. In this example, the expanded portion of the panel may display one or more participants that have joined the conference 610. The expanded portion of the panel may display an option to initiate a communication via an in-conference communication application with one or more participants that have joined the conference. The in-conference communication application is available for access by participants in the conference. The in-conference communication application may be a text or instant messaging application, an audio messaging application, or a video messaging application. In an example where the in-conference communication application is a text or instant messaging application, the option to initiate a communication may include one or more prewritten messages (e.g., "Coming from another meeting, I will be 5 minutes late," "Please get started without me," or "Please do not start without me"). The prewritten messages may be default messages generically available to various users of the conferencing software. Alternatively, the prewritten messages may be automatically generated using a ML model, user calendar data, historical conference data, and/or historical message data associated with the user of the client device 602. For example, if the user is in a conference with a group of participants that historically end conferences 10 minutes late, one or more prewritten messages may be automatically generated that include that the user will be 10 minutes late. In another example, if the user typically sends a message to start the meeting without their presence, a prewritten message such as "Please get started without me" may be automatically generated.

[0091] The user may provide another input that triggers the client device 602 to transmit a message 618 to the server 604. The input may be a single-click response to an option on the expanded portion of the panel. The message 618 may be a request to access an in-conference communication application to communicate with one or more conference participants. The server 604 is configured to receive the message 618 and grant access to the in-conference communication application 620 such that the client device 602 can communicate with one or more conference participants prior to joining the conference 610. In this example, when the

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access is granted, the client device 602 can communicate with client device 606 via the in-conference communication application 620 without joining the conference 610. In an example, if the user is a host of the conference 610, the user may notify one or more of the participants in the conference 610 that they are running late. If the user is not the host of the conference 610, the user may notify the host that they are running late.

[0092] In an example where a user may be in a vehicle and is unable to join a conference on time, the vehicle, or a component thereof, may be configured to transmit the message 618 to the server 604. In this example, the message 618 may be a prewritten message. The prewritten message may include an estimated time of arrival (ETA) based on navigation and/or traffic data to notify the one or more participants of the conference of an approximate time the user may join the conference. The ETA may include some buffer time to allow the user to park the vehicle and get set up for the conference.

[0093] In some implementations, the user may wish to post a message to a persistent chat room that is not associated with the conference 610, such as a chat room or other chat messaging space, which may, for example, be implemented using the messaging software 316 shown in FIG. 3. For example, a persistent chat room that has the same participants as the conference 610 may exist, and the user may wish to post a message in the persistent chat room for future reference. In this example, the server 604 may check for existing persistent chat rooms to determine whether a persistent chat room with matching participants of the conference 610 exists. If a match is found, the user can be presented with an option to post a message to the matching persistent chat room. In this way, messages communicable from the client device of the user may be posted to a space outside of the conference so that those messages may remain available and easily accessible to relevant users even after the conference has ended.

[0094] In some implementations, an agenda or list of topics for the conference 610 may be updated based on a chat message. For example, a user may indicate in the chat message that they will be 15 minutes late to join the conference. Based on the chat message, the server 604 determines that the list of topics may need to be updated. The server 604 may make this determination by searching the list of topics for items associated with the user and automatically updating the list of topics by moving any matching items associated with the user to later in the conference 610. In some examples, the server may update the list of topics to move the matching items to the end of the conference 610.

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[0095] FIG. 7 is a swim lane diagram of an example of a system 700 for providing a client device access to conference items without a connection between the client device and the conference. The system 700 includes a client device 702, a server 704, and a client device 706. The client device 702 may be the client device 402 shown in FIG. 4, and the client device 706 may be any one of the devices 406A to 406N shown in FIG. 4. The server 704 may be the same as server 404 shown in FIG. 4, and may be used to implement the software platform 300 shown in FIG. 3. In an example, the functionality for providing access to one or more conference items without having to join the conference may be implemented in the other software 318 shown in FIG. 3.

[0096] Certain conference items may be viewed prior to the initiation of the conference, for example, a list of topics or a downloadable file associated with the conference. The example shown in FIG. 7 is for a conference that is in progress. As shown in FIG. 7, client device 706 transmits a join message 708 to the server 704 to join a conference 710. The conference 710 may be a conference in progress, or it may be a conference that is initiated by the join message 708. The server 704 is configured to receive the join message 708 and create or update 712 a conference object associated with the conference 710. The server 704 grants the client device 706 access to the conference 710, and the client device 706 joins the conference 710, for example, via the conference software 410 shown in FIG. 4.

[0097] At this point, the client device 702 has not yet joined the conference 710. The server 704 may be configured to determine one or more conference items based on the conference object. In an example, the one or more conference items may be attachments or links included in a conference invite or a description included in the conference invite. The one or more conference items may include an editable document, a list of topics, a real-time transcript, a downloadable file, or a real-time presentation such as a screen share. The server 704 is configured to generate a graphical output 714 based on the one or more conference items and transmit the graphical output 714 to the client device 702. The client device 702 is configured to receive the graphical output 714 and display 716 at least a portion thereof in an expanded portion of a panel associated with the conference 710 on a display of the client device 702. The graphical output 714 may include one or more visual indicators associated with the one or more conference items. The visual indicators may be graphical representations of the one or more conference items, such as icons, thumbnails, text representations, or any combination thereof.

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[0098] The display 716 of the graphical output 714 may be triggered by an input to the client device 702 to expand the panel. The input can include hovering a cursor over the portion of the panel, touching the portion of the panel, or pressing one or more keys/buttons, for example, a keyboard shortcut. In this example, the expanded portion of the panel may display one or more visual indicators associated with the conference items. The expanded portion of the panel may display an option to view and/or edit one or more of the conference items.

[0099] The user may provide another input that triggers the client device 702 to transmit a request 718 to the server 704. The request 718 may be a request to view or edit a conference item. The input may be a single-click response to an option on the expanded portion of the panel. The server 704 is configured to receive the request 718 and determine 720 a conference item based on the request 718. Determining the conference item may include obtaining the conference object and extracting data associated with the conference item. If the request 718 is a request to view the conference item, the server 704 may generate a graphical output 722 based on the data associated with the conference item. The server 704 is configured to transmit the graphical output 722 to the client device 702 for display. The client device 702 is configured to receive the graphical output 722 and display 724 at least a portion thereof in an expanded portion of the panel.

[0100] If the request 718 is a request to edit the conference item, the server 704 may grant the client device 702 access to edit the conference item. The server may open an application interface to allow the client device 702 to view and edit the conference item. When the edits to the conference item are completed, the server 704 may update the conference object to reflect the edits. In some examples, a notification may be sent to the other participants of the conference that the conference item has been edited. In some examples, a notification may be sent to the author of the conference item that the conference item has been edited.

[0101] In an example, the list of topics for the conference may be a living document that can be edited by conference participants. If the user is running late and cannot join the conference on time, the user can edit the list of topics to move one or more topics associated with the user to a later portion of the conference without having to join the conference.

[0102] Typical conferences begin with some idle conversations that are not related to the substance of the conference. In some implementations, the server 704 may detect when the idle conversation has ended and the substantive portion of the conference 710 has begun. For

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example, detection of the substantive portion of the conference 710 may be based on the initiation of a screen share or by using automated speech recognition and a ML model to detect whether the discussion of the list of topics has begun. The server 704 may transmit a notification to the client device 702 to notify the user that the substantive portion of the conference 710 has begun. In some examples, the notification may be a pop-up window on the display of the client device 702. The notification may include an option to join the conference 710.

[0103] In an example, a user may be running late for a conference and is in an area with substantial background noise. The user may wish to access an audio portion of the conference to listen in without having to join the conference. In this example, the user does not have to worry about muting their microphone. The server 704 may transmit a visual indicator to the conference attendees to notify them that the user is listening in.

[0104] In another example, a user may be running late for a webinar and wants to get caught up before joining the webinar. The user may access the conference items associated with the webinar without having to join the webinar. For example, the user may view the real-time transcript and/or a real-time presentation of the webinar without having to join the webinar. In some examples, the conferencing software may include a notes application that allows participants to take notes during the conference. The conferencing software may provide the participants with an option to make their notes public so that other conference participants can view their notes. The conferencing software may annotate the participant notes with timestamps for future reference.

[0105] In some implementations, the server 704 may automatically edit the list of topics based on a presence detection of a user. For example, the server 704 may detect that a user is running late based on a chat message from the user or determining that the user has not yet joined the conference. The server 704 may identify one or more items associated with the user and automatically move the identified items to the end of the list of topics. In some examples, the server 704 may identify one or more items associated with the user and change the font of the items to indicate that the discussion of the identified items may be delayed because the associated user has not yet joined the conference. In some examples, the server 704 may identify one or more items based on whether they are yet to be discussed or have already been discussed. When the associated user joins the conference, the server 704 may automatically change the font back to the original font. Changing the font may include a change to a different font type,

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underlining text, bolding text, italicizing text, highlighting text, changing a text color, changing a text size, or any combination thereof.

[0106] In some implementations, the server 704 may determine a conference importance level using a ML model. The conference importance level may be based on the list of topics, conference attendees, participant interactions in previous similar conferences, or any combination thereof. The server 704 may be configured to transmit a notification to a client device that includes a suggestion to join the conference or skip the conference based on the importance level of the conference to the user. For example, if the user is double-booked for multiple conferences scheduled at the same time, the notification of the importance level of each conference may help the user determine which conference to join.

[0107] To further describe some implementations in greater detail, reference is next made to examples of methods that may be performed by or using a system for providing a client device access to conference features without a connection between the client device and a conference. FIGS. 8 through 10 are flowcharts of examples of methods for providing access to conference features prior to joining a conference. The methods can be executed using computing devices, such as the systems, hardware, and software described with respect to FIGS. 1 through 7. The methods can be performed, for example, by executing a machine-readable program or other computer-executable instructions, such as routines, instructions, programs, or other code. The steps, or operations, of the methods or other techniques, methods, processes, or algorithms described in connection with the implementations disclosed herein can be implemented directly in hardware, firmware, software executed by hardware, circuitry, or a combination thereof.

[0108] For simplicity of explanation, the methods are depicted and described herein as a series of steps or operations. However, the steps or operations in accordance with this disclosure can occur in various orders and/or concurrently. Additionally, other steps or operations not presented and described herein may be used. Furthermore, not all illustrated steps or operations may be required to implement a technique in accordance with the disclosed subject matter.

[0109] FIG. 8 is a flowchart of an example of a method 800 for providing a client device access to conference participant information without a connection between the client device and the conference. At 802, calendar data is obtained by a server. The calendar data may include at least one of a description of a conference, a list of topics associated with the conference, a start time for the conference, an end time for the conference, a location, a participant identifier, a

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participant invite status, or any combination thereof.

[0110] At 804, the server transmits a first graphical output to a client device. The client device has not yet connected to the conference. The graphical output is based on the calendar data. The client device receives the first graphical output and displays at least a portion of the graphical output on a panel associated with the conference. The first graphical output may include a visual indicator that indicates a conference status. The conference status may indicate that the conference is a future conference, the conference has started without participants, the conference has started with participants, the conference that started and a high priority participant is in attendance, or the conference has ended. The panel may be a persistent panel that is an extensible panel that sits on a display of the client device to make the user aware of conference information or real-time communications in one or more modalities and to enable the user to take some action in response to the conference information or real-time communication in a single click regardless of the modality. The panel may be expanded to view additional information associated with the conference.

[0111] At 806, the server receives a request for participant information. The request is received prior to the client device joining the conference. The request may be received in response to an input from a user to expand the panel to view more information, such as participant information.

[0112] At 808, the server determines the participant information based on the request. The participant information may be determined based on the conference object, and may include a participant invite status for one or more participants, a participant attendance status for one or more participants, a participant attendance time for one or more participants, a participant preview status for one or more participants, a participant indicator for one or more participants, such as a participant name or title, or representation thereof, a participant audio status for one or more participants, a participant video status for one or more participants, a participant presentation status for one or more participants, or any combination thereof. Prior to the client device connecting to the conference, the server is configured to generate a second graphical output that includes the participant information.

[0113] At 810, the server transmits the second graphical output to the client device for display. Prior to connecting to the conference, the client device receives the second graphical output and displays at least a portion thereof in an expanded portion of the panel. The second

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graphical output may include one or more visual indicators. For example, a visual indicator may indicate whether a participant has their video or audio on or off based on the participant video status or the participant audio status. A visual indicator may indicate who is speaking in the conference based on the participant audio status. A visual indicator may indicate a duration of time that the participant has been in the conference based on participant attendance time. A visual indicator may indicate that a participant is performing a screen share based on the participant presentation status. A visual indicator may indicate whether the conference is being recorded based on the conference status.

[0114] In some implementations, the method 800 may include determining whether a high priority participant (e.g., a stakeholder) has joined the conference. The high priority participant may be determined based on an organizational chart relative to an organizational position of the user of the client device. In some examples, the high priority participant may be based on a preference of the user of the client device. The method may include transmitting a notification to the client device to notify the user that a high priority participant has joined or left the conference.

[0115] In some implementations, the method 800 may include determining that a threshold number of participants for a quorum is met and transmitting a notification to a client device that has not yet joined the conference to notify the user that the quorum threshold is met. The method 800 may include transmitting a notification to the client device when the quorum is lost, for example, when a participant leaves the conference.

[0116] In some implementations, the method 800 includes determining who is previewing the conference or how many participants are previewing the conference. The server may transmit a notification to a client device that has not yet joined the conference to notify the user that one or more participants are previewing the conference or have previewed the conference within a predetermined period of time.

[0117] FIG. 9 is a flowchart of an example of a method 900 for providing a client device access to a conference messaging application without a connection between the client device and the conference. At 902, a server obtains conference information. The conference information may be associated with a conference in progress and can include a conference description, a conference topic or list thereof, a conference start time, a conference end time, a conference location, participant information, or any combination thereof. The server obtains the conference

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information and generates a graphical output based on the conference information.

[0118] At 904, the server transmits the graphical output based on the conference information to a client device for display. The client device receives the graphical output and displays at least a portion thereof in an expanded portion of a panel associated with the conference on a display of the client device. The graphical output may include one or more visual indicators associated with the conference information. The display of the graphical output may be triggered by an input to the client device to expand the panel. The expanded portion of the panel may display an option to initiate a communication with one or more participants in attendance via an in-conference communication application, such as a conference messaging application.

[0119] At 906, the server receives a message to initiate a communication with a participant that is in attendance at the conference. The message is received prior to the client device joining the conference. The message may be transmitted to the server in response to an input received at the client device. The input may be a single-click response to an option on the expanded portion of the panel. The message may be a request to access an in-conference communication application to communicate with one or more conference participants.

[0120] At 908, the server grants the client device access to an in-conference communication application. The access to the in-conference communication application is granted prior to the client device joining the conference. When the access is granted, the client device can communicate with one or more of the participants in the conference via the in-conference communication application without joining the conference.

[0121] In some implementations, the message may include a prewritten message. In an example where the client device is a vehicle, or a component thereof, the prewritten message may include an ETA based on navigation and/or traffic data to notify one or more participants of the conference of an approximate time the user may join the conference. In some examples, the ETA may include some buffer time to allow the user to park the vehicle and get set up for the conference.

[0122] In some implementations, the method 900 may include posting a message to a persistent chat room that is not associated with the conference. For example, the method 900 may include checking for existing persistent chat rooms to determine whether a persistent chat room with matching participants of the conference exists. If a match is found, the method 900 may include transmitting a notification that includes an option to post a message to the matching

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persistent chat room to the client device.

[0123] In some implementations, the method 900 may include updating a list of topics based on a chat message. The method 900 may include determining that the list of topics should be updated based on the text of a chat message. For example, it may be determined from the text of the chat message that the user is running late for the conference. The method 900 may include searching the list of topics for items associated with the user and automatically updating the list of topics by moving any matching items associated with the user to later in the conference. In some examples, the method 900 may include transmitting a notification to the conference attendees that the list of topics has been updated.

[0124] FIG. 10 is a flowchart of an example of a method 1000 for providing a client device access to conference items without a connection between the client device and the conference. At 1002, a server obtains a conference item. The conference item may be an attachment or a link included in a conference invite or a description included in the conference invite. The conference item may include an editable document, a list of topics, a real-time transcript, a downloadable file, or a real-time presentation such as a screen share. The server obtains the conference item and generates a first graphical output based on the conference item.

[0125] At 1004, the server transmits the first graphical output to a client device to display an indicator of the conference item. The client device receives the first graphical output and displays at least a portion thereof in an expanded portion of a panel associated with the conference on a display of the client device. The first graphical output includes an indicator associated with the conference item. The indicator may be a visual indicator and may be a graphical representation of the conference item, such as an icon, a thumbnail, a text representation, or any combination thereof. The display of the first graphical output may be triggered by an input to the client device to expand the panel. The expanded portion of the panel may display an option to view and/or edit the conference item.

[0126] At 1006, the server receives a request to view the conference item. The request may be triggered by another input at the client device. The input may be a single-click response to an option on the expanded portion of the panel. The request may be a request to view or edit a conference item. The server generates a second graphical output based on the conference item indicated in the request.

[0127] At 1008, the server transmits the second graphical output to the client device to

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display the conference item. The client device receives the second graphical output and displays at least a portion thereof in an expanded portion of the panel or in an application that is compatible with the conference item.

[0128] In some implementations, the method 1000 may include detecting an initiation of a screen share. The method 1000 may include determining that a substantive portion of the conference has started based on the screen share. The substantive portion of the conference can be associated with an item of the list of topics. The method 1000 may include transmitting a notification to the client device that indicates that the substantive portion of the conference has started.

[0129] In some implementations, the method 1000 may include detecting a voice in an audio portion of the conference. The method 1000 may include converting the detected voice to text and comparing the text to the conference item. In this example, the conference item may be a list of topics. The method 1000 may include determining that a substantive portion of the conference has started based on the comparison, where the substantive portion of the conference is associated with an item of the list of topics. The method 1000 may include transmitting a notification to the client device that indicates that the substantive portion of the conference has started.

[0130] The implementations of this disclosure can be described in terms of functional block components and various processing operations. Such functional block components can be realized by a number of hardware or software components that perform the specified functions. For example, the disclosed implementations can employ various integrated circuit components (e.g., memory elements, processing elements, logic elements, look-up tables, and the like), which can carry out a variety of functions under the control of one or more microprocessors or other control devices. Similarly, where the elements of the disclosed implementations are implemented using software programming or software elements, the systems and techniques can be implemented with a programming or scripting language, such as C, C++, Java, JavaScript, assembler, or the like, with the various algorithms being implemented with a combination of data structures, objects, processes, routines, or other programming elements.

[0131] Functional aspects can be implemented in algorithms that execute on one or more processors. Furthermore, the implementations of the systems and techniques disclosed herein could employ a number of conventional techniques for electronics configuration, signal

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processing or control, data processing, and the like. The words "mechanism" and "component" are used broadly and are not limited to mechanical or physical implementations, but can include software routines in conjunction with processors, etc. Likewise, the terms "system" or "tool" as used herein and in the figures, but in any event based on their context, may be understood as corresponding to a functional unit implemented using software, hardware (e.g., an integrated circuit, such as an ASIC), or a combination of software and hardware. In certain contexts, such systems or mechanisms may be understood to be a processor-implemented software system or processor-implemented software mechanism that is part of or callable by an executable program, which may itself be wholly or partly composed of such linked systems or mechanisms.

[0132] Implementations or portions of implementations of the above disclosure can take the form of a computer program product accessible from, for example, a computer-usable or computer-readable medium. A computer-usable or computer-readable medium can be a device that can, for example, tangibly contain, store, communicate, or transport a program or data structure for use by or in connection with a processor. The medium can be, for example, an electronic, magnetic, optical, electromagnetic, or semiconductor device.

[0133] Other suitable mediums are also available. Such computer-usable or computer-readable media can be referred to as non-transitory memory or media, and can include volatile memory or non-volatile memory that can change over time. The quality of memory or media being non-transitory refers to such memory or media storing data for some period of time or otherwise based on device power or a device power cycle. A memory of an apparatus described herein, unless otherwise specified, does not have to be physically contained by the apparatus, but is one that can be accessed remotely by the apparatus, and does not have to be contiguous with other memory that might be physically contained by the apparatus.

[0134] While the disclosure has been described in connection with certain implementations, it is to be understood that the disclosure is not to be limited to the disclosed implementations but, on the contrary, is intended to cover various modifications and equivalent arrangements included within the scope of the appended claims, which scope is to be accorded the broadest interpretation so as to encompass all such modifications and equivalent structures as is permitted under the law.

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What is claimed is:

1. A method for displaying conference information, comprising:

transmitting, to a client device, a first graphical output based on calendar data for display on a panel interface associated with a conference, the panel interface having a first portion and a second portion, the first portion including an indicator that indicates a conference status associated with the conference;

prior to the client device joining the conference:

receiving a request for participant information of the conference;

determining the participant information based on the request; and

transmitting a second graphical output to the client device to display the participant information on the second portion of the panel interface.

2. The method of claim 1, comprising:

determining whether a high priority participant has joined the conference; and

transmitting a notification to the client device when the high priority participant has joined the conference.

3. The method of claim 2, wherein the high priority participant is determined based on an organizational chart relative to an organizational position of a user of the client device.

4. The method of claim 2, wherein the high priority participant is based on a preference of a user of the client device.

5. The method of claim 1, wherein the calendar data includes at least one of a description, a list of topics, a time, a location, a participant identifier, or a participant invite status.

6. The method of claim 1, wherein the participant information includes at least one of a participant attendance status, a participant preview status, a participant icon, a participant name, or a participant title.

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7. The method of claim 1, wherein the conference status indicates that the conference is a future conference, the conference is in progress without participants, the conference is in progress with participants, or the conference has ended.

8. The method of claim 1, wherein the panel interface is a persistent panel interface that remains on top of a display of the client device.

9. A system for displaying conference information, comprising:

a server configured to transmit a first graphical output based on calendar data; and

a client device configured to display the first graphical output on a panel interface associated with a conference, the panel interface having a first portion and a second portion, the first portion including an indicator that indicates a conference status associated with the conference;

prior to the client device joining the conference, the server configured to:

receive a request for participant information of the conference;

determine the participant information based on the request; and

transmit a second graphical output to the client device; and

prior to the client device joining the conference, the client device configured to:

display the participant information on the second portion of the panel interface.

10. The system of claim 9, wherein the server is configured to:

determine whether a high priority participant has joined the conference; and

transmit a notification to the client device when the high priority participant has joined the conference.

11. The system of claim 10, wherein the server is configured to:

determine the high priority participant based on an organizational chart relative to an organizational position of a user of the client device.

12. The system of claim 10, wherein the high priority participant is based on a preference of a user of the client device.

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13. The system of claim 9, wherein the calendar data includes at least one of a description, a list of topics, a time, a location, a participant identifier, or a participant invite status.

14. The system of claim 9, wherein the participant information includes at least one of a participant attendance status, a participant preview status, a participant icon, a participant name, or a participant title.

15. The system of claim 9, wherein the conference status indicates that the conference is a future conference, the conference is in progress without participants, the conference is in progress with participants, or the conference has ended.

16. A non-transitory computer-readable storage device including program instructions that, when executed by a processor, cause the processor to perform operations, the operations comprising:

transmitting, to a client device, a first graphical output based on calendar data for display on a panel interface associated with a conference, the panel interface having a first portion and a second portion, the first portion including an indicator that indicates a conference status associated with the conference;

prior to the client device joining the conference:

receiving a request for participant information of the conference;

determining the participant information based on the request; and

transmitting a second graphical output to the client device to display the participant information on the second portion of the panel interface.

17. The non-transitory computer-readable storage device of claim 16, wherein the participant information includes at least one of a participant attendance status, a participant preview status, a participant icon, a participant name, or a participant title.

18. The non-transitory computer-readable storage device of claim 16, wherein the

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program instructions, when executed by the processor, cause the processor to perform operations, the operations comprising:

determining whether a high priority participant has joined the conference; and

transmitting a notification to the client device when the high priority participant has joined the conference.

19. The non-transitory computer-readable storage device of claim 18, wherein the high priority participant is determined based on an organizational chart relative to an organizational position of a user of the client device.

20. The non-transitory computer-readable storage device of claim 18, wherein the high priority participant is based on a preference of a user of the client device.

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ABSTRACT

A conferencing system transmits a first graphical output associated with a conference to a client device for display without requiring the client device to connect to the conference. Prior to the client device connecting to the conference, the conferencing system receives a request for participant information of the conference. The conferencing system determines the participant information based on the request. The conferencing system transmits a second graphical output to the client device to display the participant information on a display of the client device.

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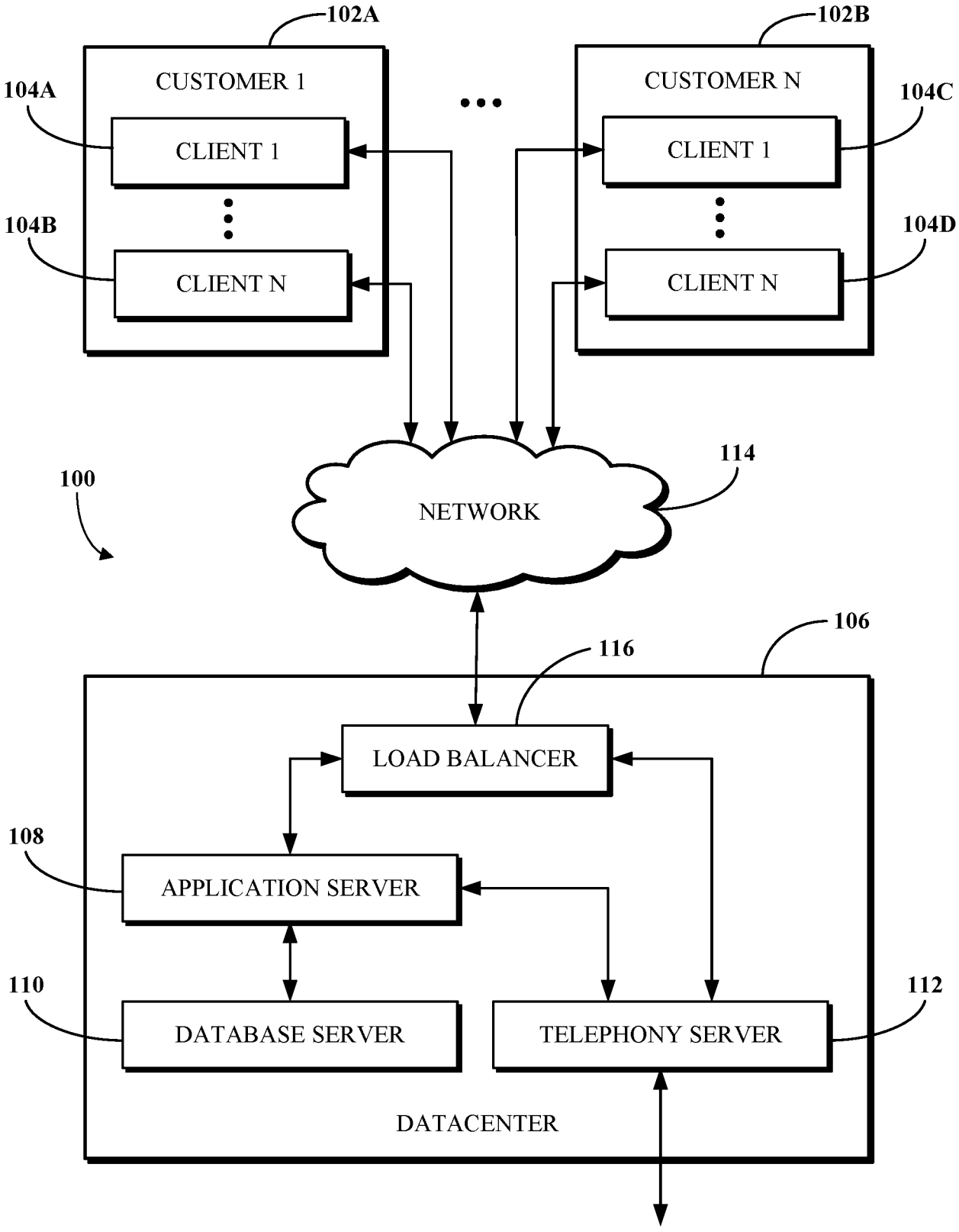

102A
CUSTOMER 1
104A
CLIENT 1
104B
CLIENT N
102B
CUSTOMER N
104C
CLIENT 1
104D
CLIENT N
100
NETWORK
114
106
116
LOAD BALANCER
108
APPLICATION SERVER
110
DATABASE SERVER
TELEPHONY SERVER
112
DATACENTER

FIG. 1

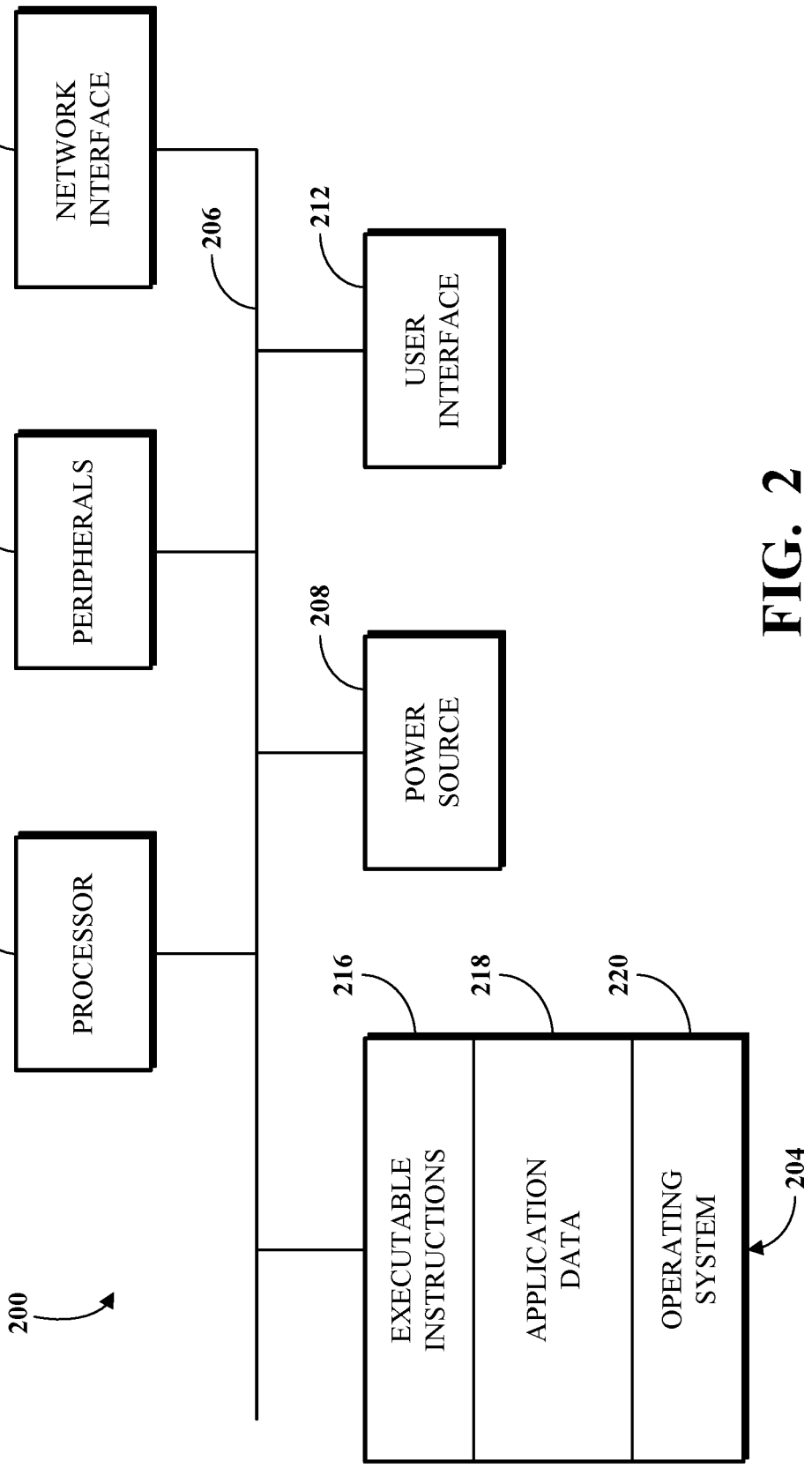

200
PROCESSOR
202
PERIPHERALS
210
NETWORK INTERFACE
214
206
USER INTERFACE
212
POWER SOURCE
208
EXECUTABLE INSTRUCTIONS
216
APPLICATION DATA
218
OPERATING SYSTEM
220
204

FIG. 2

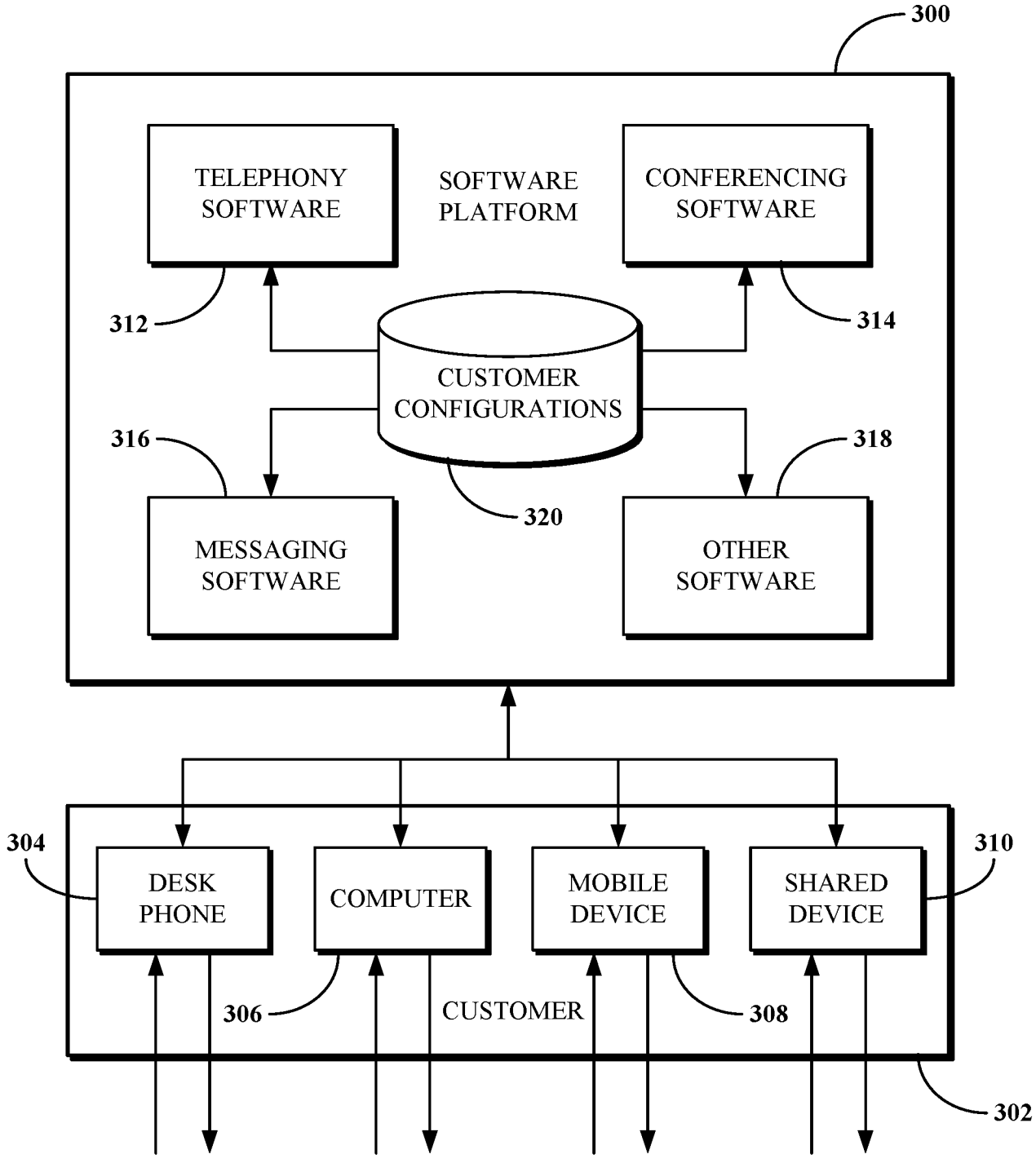

300
TELEPHONY SOFTWARE
SOFTWARE PLATFORM
CONFERENCING SOFTWARE
312
314
CUSTOMER CONFIGURATIONS
316
318
320
MESSAGING SOFTWARE
OTHER SOFTWARE
304
DESK PHONE
COMPUTER
MOBILE DEVICE
SHARED DEVICE
310
306
CUSTOMER
308
302

FIG. 3

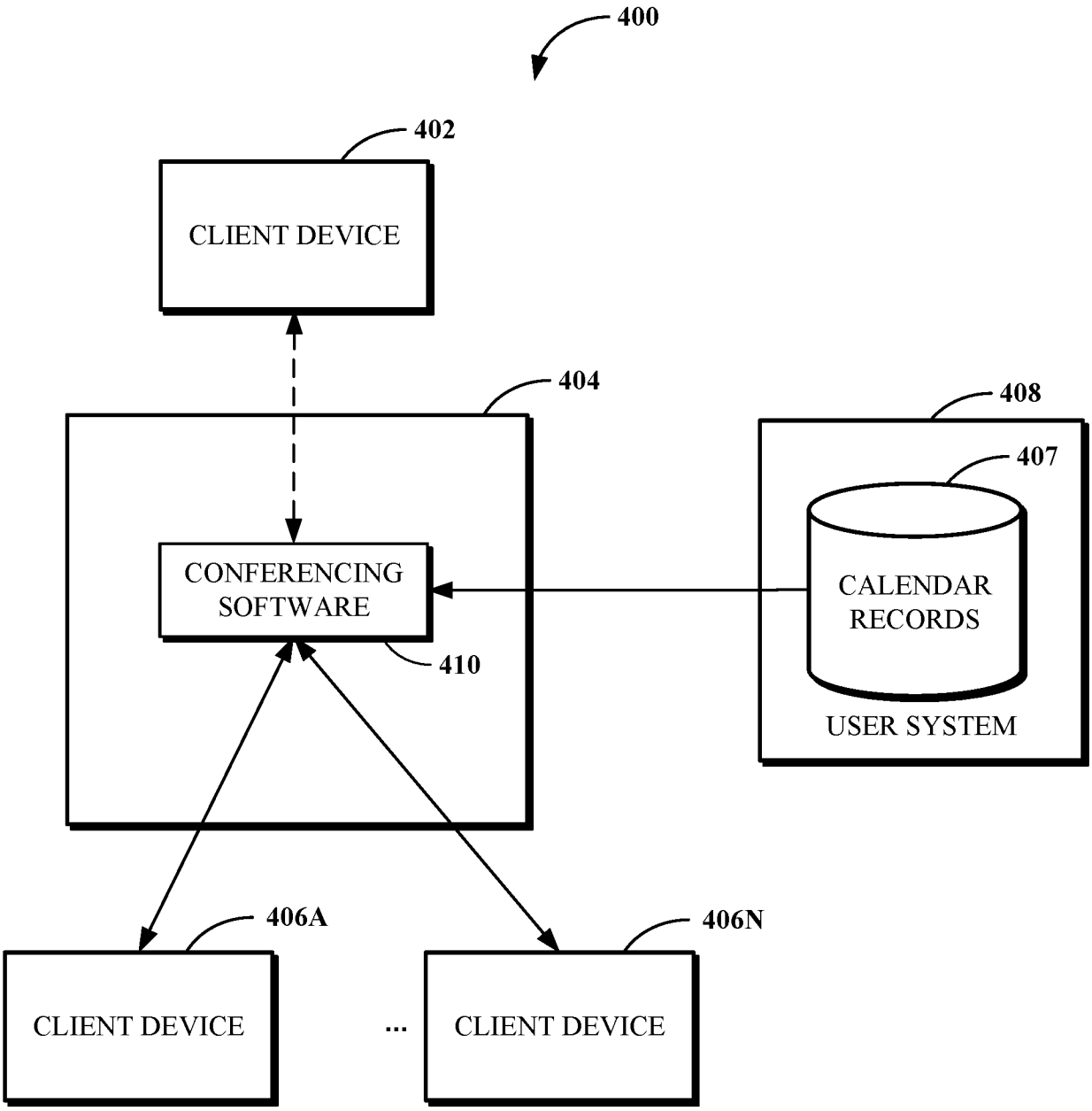

400
402
CLIENT DEVICE
404
408
407
CONFERENCING SOFTWARE
410
CALENDAR RECORDS
USER SYSTEM
406A
406N
CLIENT DEVICE
...
CLIENT DEVICE

FIG. 4

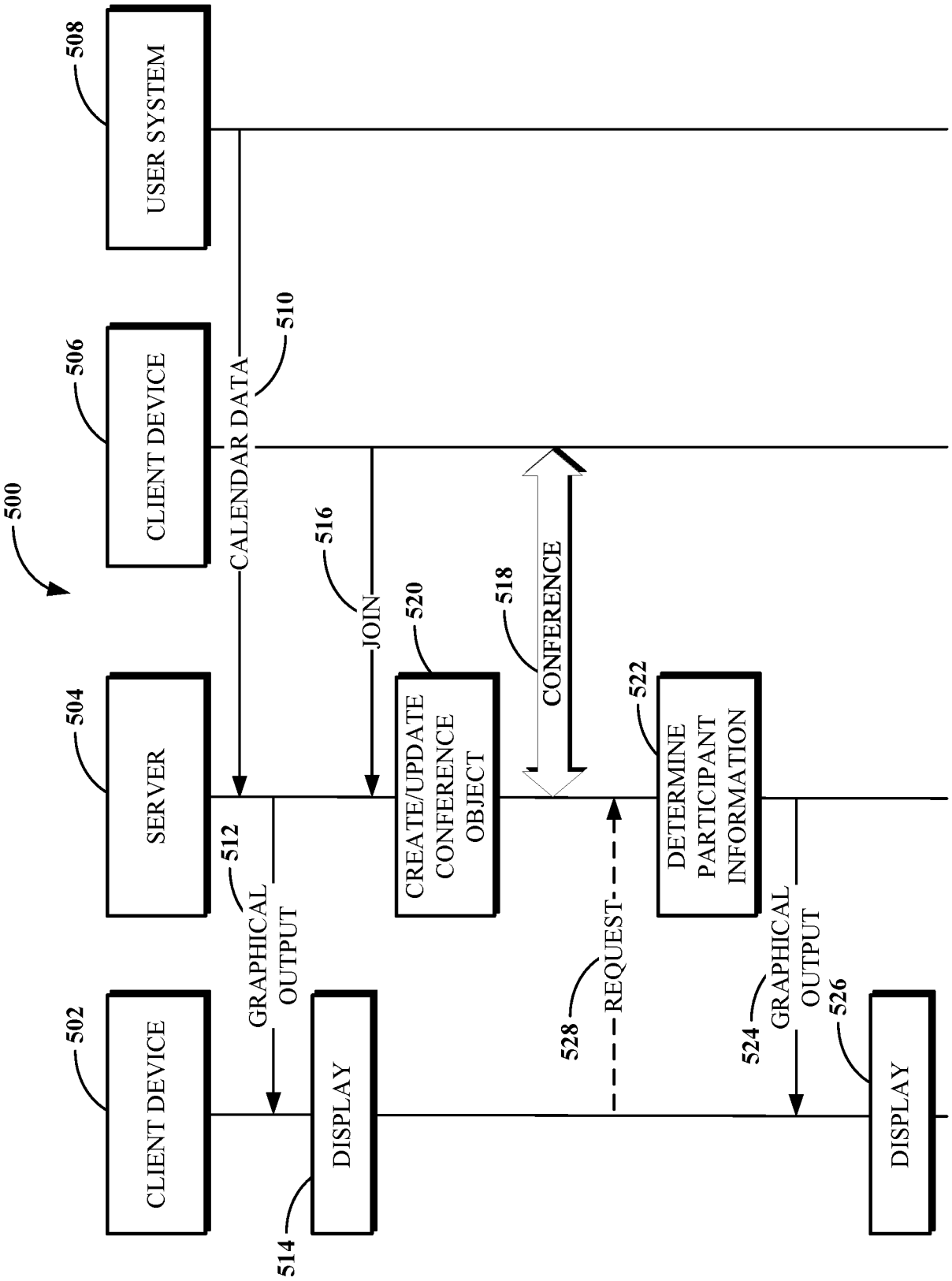

500
USER SYSTEM
508
CLIENT DEVICE
506
SERVER
504
CLIENT DEVICE
502
DISPLAY
514
DISPLAY
526
CALENDAR DATA
510
JOIN
516
CONFERENCE
518
CREATE/UPDATE CONFERENCE OBJECT
520
DETERMINE PARTICIPANT INFORMATION
522
GRAPHICAL OUTPUT
512
REQUEST
528
GRAPHICAL OUTPUT
524

FIG. 5

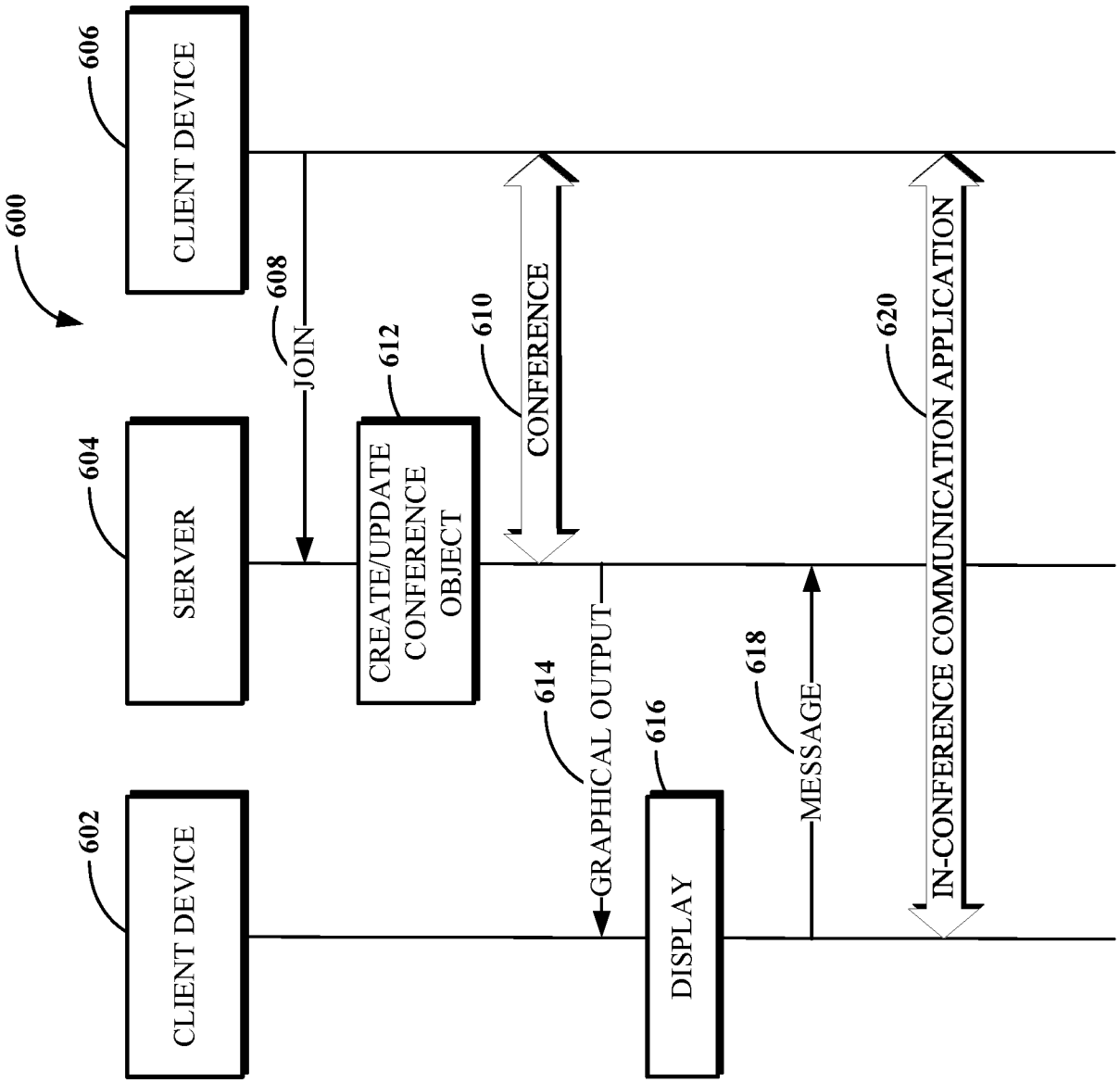

600
606
CLIENT DEVICE
608
JOIN
610
CONFERENCE
620
IN-CONFERENCE COMMUNICATION APPLICATION
604
SERVER
612
CREATE/UPDATE CONFERENCE OBJECT
614
GRAPHICAL OUTPUT
616
DISPLAY
618
MESSAGE
602
CLIENT DEVICE

FIG. 6

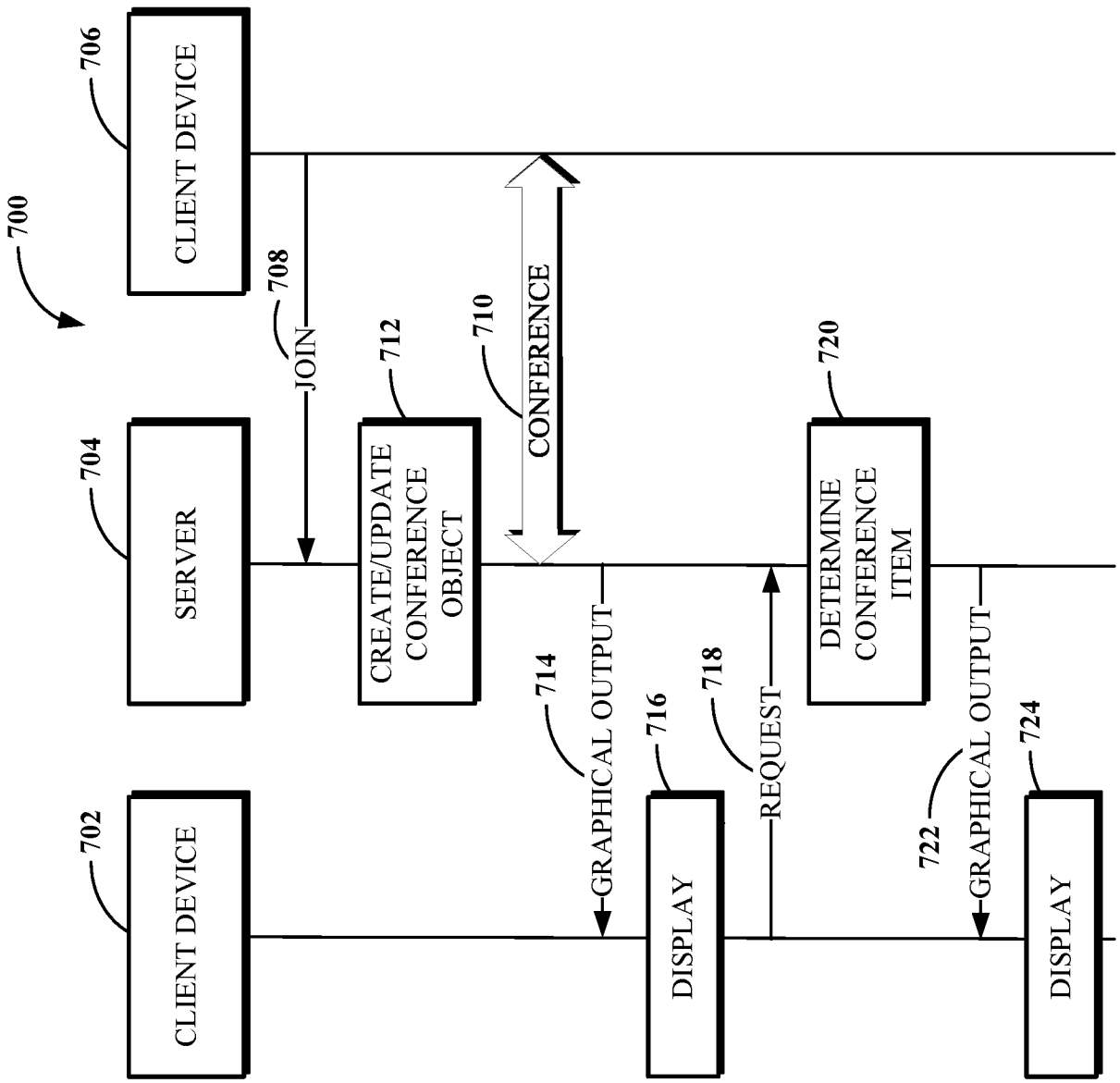

700
CLIENT DEVICE
706
SERVER
704
CLIENT DEVICE
702
JOIN
708
CONFERENCE
710
CREATE/UPDATE CONFERENCE OBJECT
712
GRAPHICAL OUTPUT
714
DISPLAY
716
REQUEST
718
DETERMINE CONFERENCE ITEM
720
GRAPHICAL OUTPUT
722
DISPLAY
724

FIG. 7

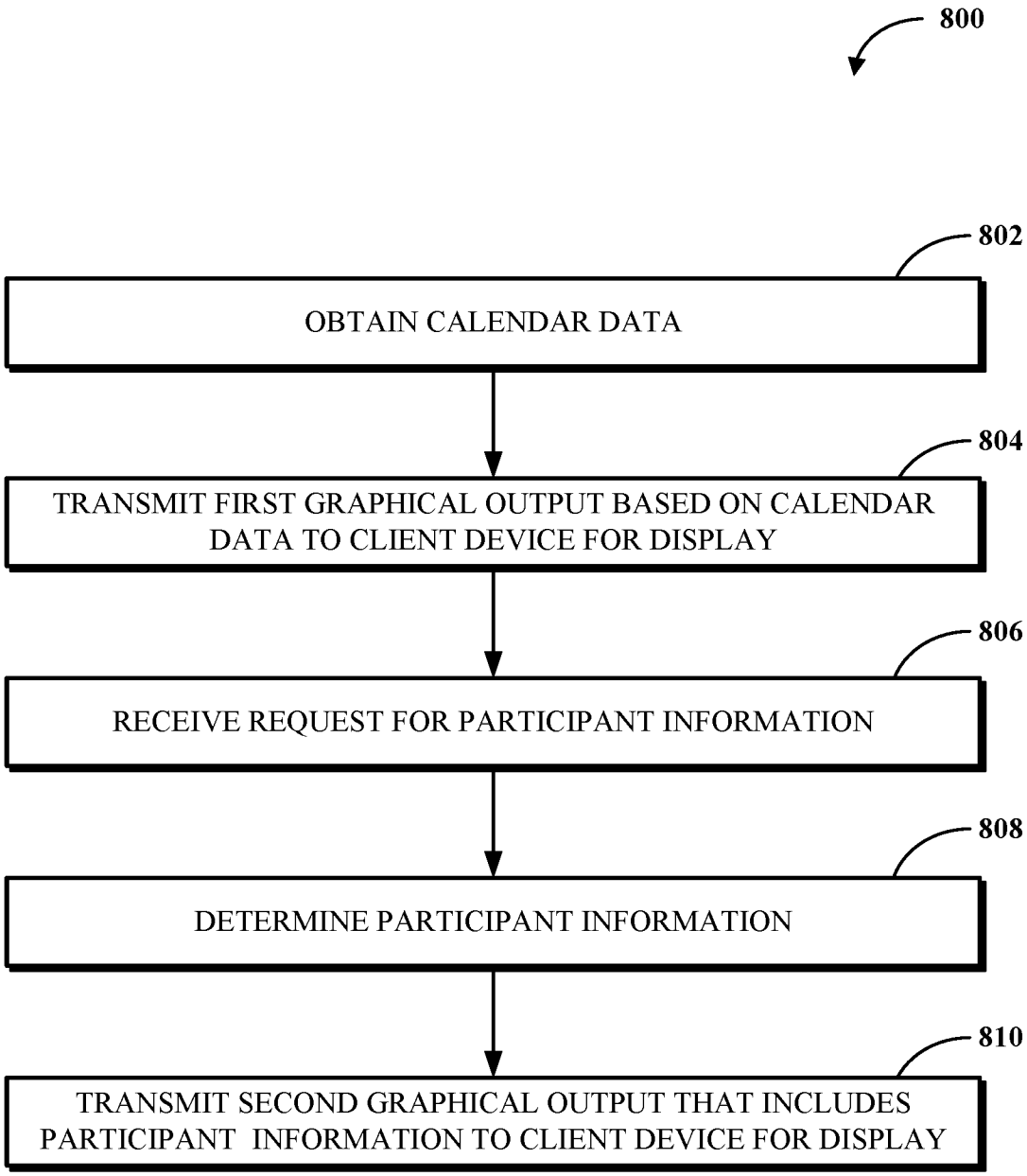

800
802
OBTAIN CALENDAR DATA
804
TRANSMIT FIRST GRAPHICAL OUTPUT BASED ON CALENDAR DATA TO CLIENT DEVICE FOR DISPLAY
806
RECEIVE REQUEST FOR PARTICIPANT INFORMATION
808
DETERMINE PARTICIPANT INFORMATION
810
TRANSMIT SECOND GRAPHICAL OUTPUT THAT INCLUDES PARTICIPANT INFORMATION TO CLIENT DEVICE FOR DISPLAY

FIG. 8

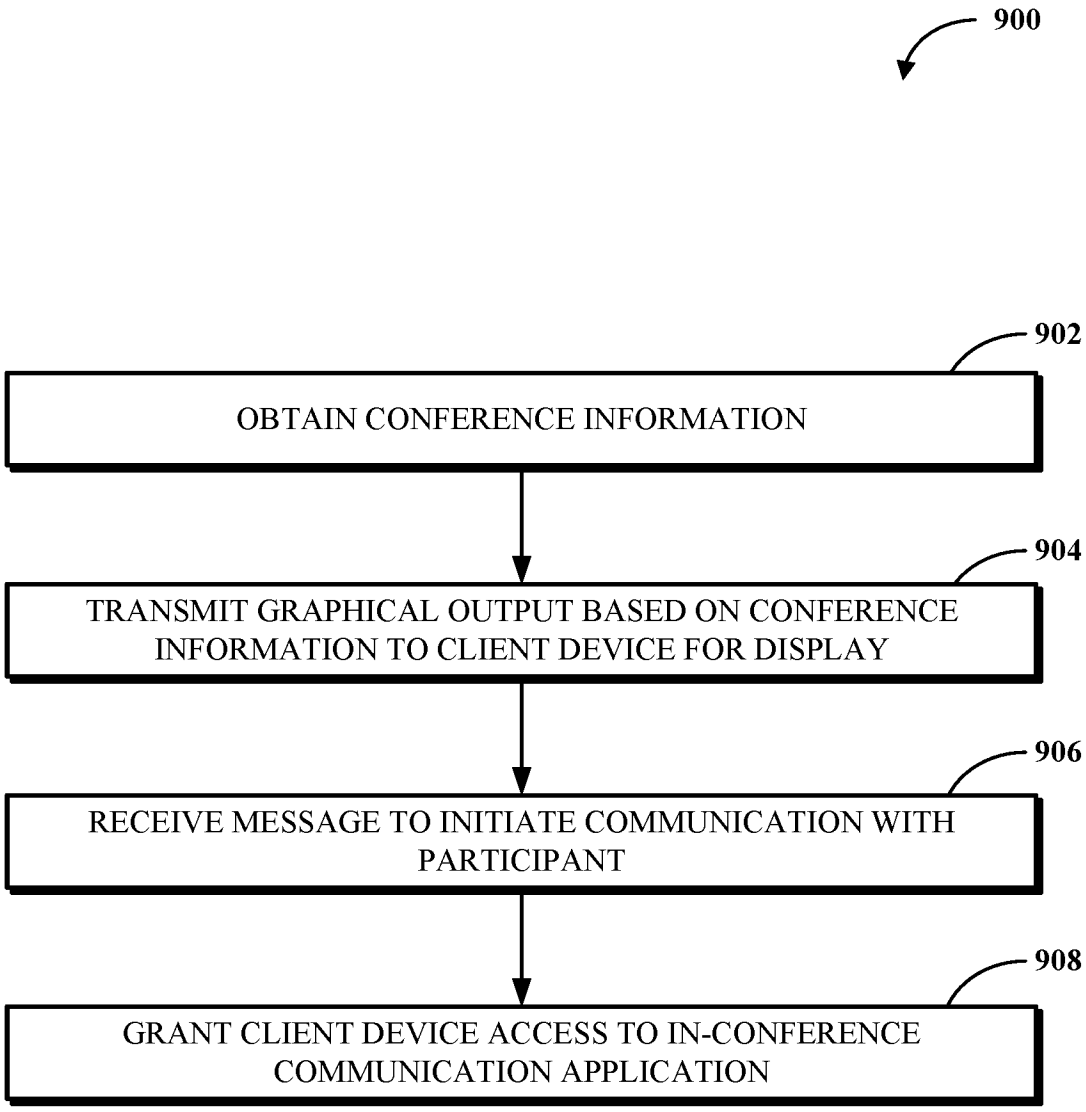

900
902
OBTAIN CONFERENCE INFORMATION
904
TRANSMIT GRAPHICAL OUTPUT BASED ON CONFERENCE INFORMATION TO CLIENT DEVICE FOR DISPLAY
906
RECEIVE MESSAGE TO INITIATE COMMUNICATION WITH PARTICIPANT
908
GRANT CLIENT DEVICE ACCESS TO IN-CONFERENCE COMMUNICATION APPLICATION

FIG. 9

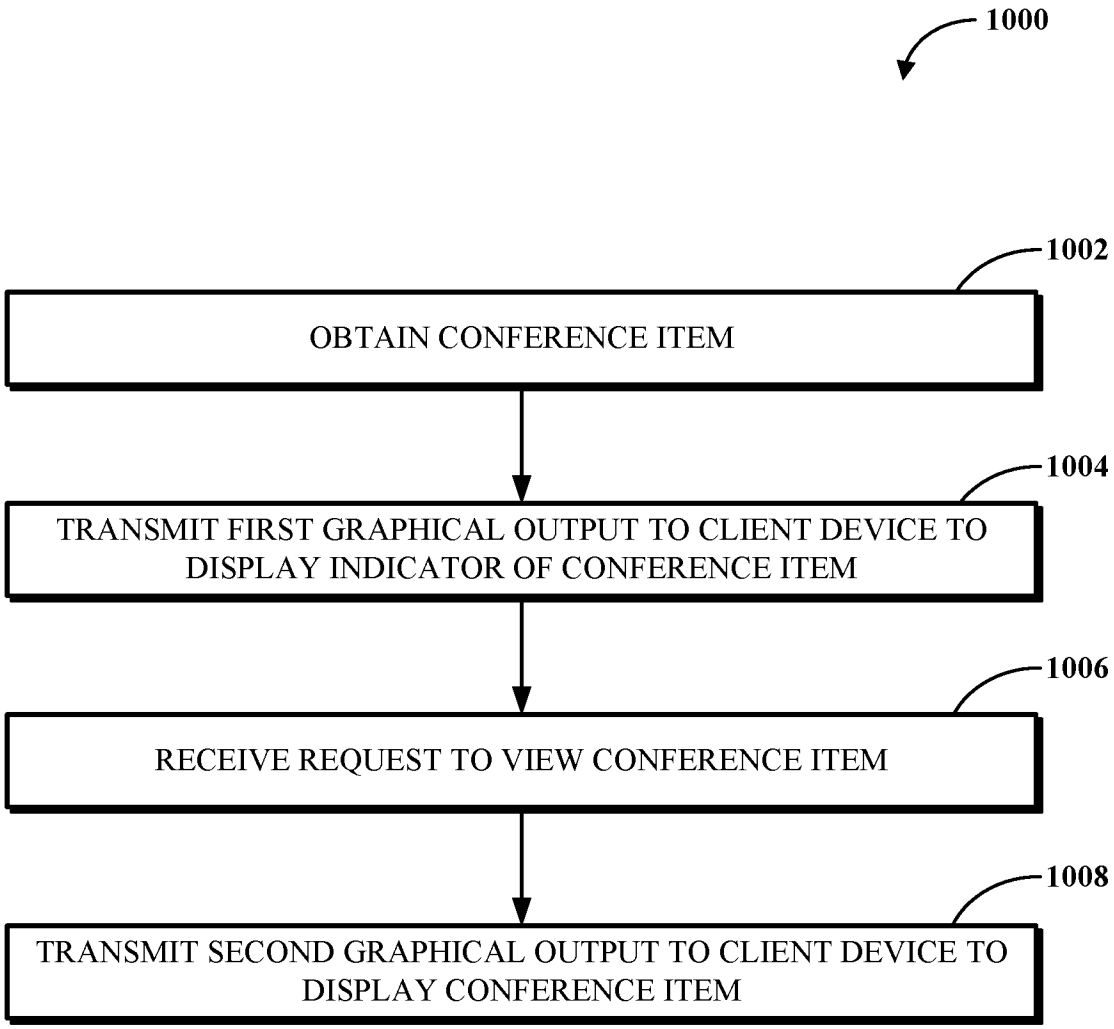

1000
1002
OBTAIN CONFERENCE ITEM
1004
TRANSMIT FIRST GRAPHICAL OUTPUT TO CLIENT DEVICE TO DISPLAY INDICATOR OF CONFERENCE ITEM
1006
RECEIVE REQUEST TO VIEW CONFERENCE ITEM
1008
TRANSMIT SECOND GRAPHICAL OUTPUT TO CLIENT DEVICE TO DISPLAY CONFERENCE ITEM

FIG. 10

PTO/AIA/01 (06-12)
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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	Previewing Conference Participants Prior To Joining A Conference

As the below named inventor, I hereby declare that:

This declaration is directed to:

- [x] The attached application, or
- [ ] United States application or PCT international application number _____ filed on _____ .

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

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

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

WARNING:

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LEGAL NAME OF INVENTOR

Inventor: Nick Swerdlow Date (Optional) : Sep 9, 2021

Signature: Nick Swerdlow (Sep 9, 2021 11:02 PDT)

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