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Application Number: 15609663 Document Date: 05/31/2017

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Form Revision Date: August 26, 2013



WRINKL-2017
Slack v. Wrinkl
IPR2024-01489

Doc Code: TRACK1.REQ
Document Description: TrackOne Request

PTO/AIA/424 (04-14)

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

| | | | |
|---|---|---|---|
| First Named Inventor: | Marc A. COHEN | Nonprovisional Application Number (if known): | |
| Title of Invention: | MESSAGING APPARATUS AND METHOD THEREOF | | |

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

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

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

3. The applicable box is checked below:

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

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

---OR---

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

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

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

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

| | |
|---|---|
| Signature /lawrence e ashery/ | Date 2017-05-31 |
| Name (Print/Typed) Lawrence E. Ashery | Practitioner Registration Number 34515 |

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

☑ *Total of 1 forms are submitted.

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 | MESSAGING APPARATUS AND METHOD THEREOF |
|---|---|

As the below named inventor, I hereby declare that:

This declaration is directed to:

- [■] The attached application, or
- [ ] United States application or PCT international application number _____

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:

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

LEGAL NAME OF INVENTOR

Inventor: Marc A. COHEN Date (Optional): 5/3/17

Signature: _____

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

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

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

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LEGAL NAME OF INVENTOR

Inventor: Erik S. KATZ Date (Optional): 5/3/17

Signature: _____

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

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

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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 | MESSAGING APPARATUS AND METHOD THEREOF |
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As the below named inventor, I hereby declare that:

This declaration is directed to:

- [■] The attached application, or
- [ ] United States application or PCT international application number _____ filed on _____.

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

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LEGAL NAME OF INVENTOR

Inventor: Jeffrey A. COHEN Date (Optional): 5/4/17

Signature: Jeffrey A. Cohen

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

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

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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 | |
| Filing Date | 2017-05-31 |
| First Named Inventor | Marc A. COHEN |
| Title | MESSAGING APPARATUS AND METHOD THEREOF |
| Art Unit | |
| Examiner Name | |
| Attorney Docket Number | W1186/20002 |

**SIGNATURE of Applicant or Patent Practitioner**

| | | | |
|---|---|---|---|
| Signature | /lawrence e ashery/ | Date (Optional) | 2017-05-31 |
| Name | Lawrence E. Ashery | Registration Number | 34515 |
| Title (if Applicant is a juristic entity) | Attorney | | |
| Applicant Name (if Applicant is a juristic entity) | Wrinkl, Inc. | | |

**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.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. 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 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

Doc Code: PA..
Document Description: Power of Attorney

PTO/AIA/82B (07-13)
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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.)

☑ 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: 03000

**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:**

☑ 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):

Wrinkl, Inc.

☐ Inventor or Joint Inventor (title not required below)

☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)

☑ 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 | Marc A. Cohen | Date (Optional) | 2-13-2017 |
| Name | MARC A. COHEN | | |
| Title | CEO | | |

**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.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. 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 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**
**PATENT EXAMINING OPERATION**

First Named Inventor: Marc A. COHEN

Serial No: Group Art Unit:

Filed: May 31, 2017 Examiner:

Att. Docket No.: W1186/20002 Confirmation No.:

For: MESSAGING APPARATUS AND METHOD THEREOF

## IDS CERTIFICATION STATEMENT

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

Commissioner:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the concurrently filed Form PTO/SB/08a. Unless otherwise indicated herein, one copy of each reference is submitted herewith. No copies of U.S. patents or U.S. patent application publications are submitted herewith. 37 CFR § 1.98(a)(2)(ii). It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom. No representation is made that the reference(s) is/are prior art with respect to this application.

This Information Disclosure Statement is being filed within three months of the filing date of a national application other than a CPA under 37 CFR § 1.53(d), within three months of the date of entry of the national stage as set forth in 37 CFR § 1.491 in an international application, before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of an RCE under 37 CFR § 1.114. No certification or fee is required. 37 CFR § 1.97(b).

The reference(s) was/were cited by or submitted to the Office in parent application No. 15/293,620 , filed October 14, 2016, which is relied upon for an earlier filing date under 35 U.S.C. §120. Thus, copies of these references are not submitted herewith. 37 CFR §1.98(d).

Respectfully submitted,
CAESAR RIVISE, PC

May 31, 2017

By /lawrence e ashery/
Lawrence E. Ashery
Registration No. 34,515
Customer No. 03000
(215) 567-2010
Attorneys for Applicants

Please charge or credit our Account No. 03-0075 as necessary to effect entry and/or ensure consideration of this submission.

PTO/SB/08a (03-15)
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| **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** ( **Not for submission under 37 CFR 1.99)** | | |
|---|---|---|
| | Application Number | |
| | Filing Date | 2017-05-31 |
| | First Named Inventor | Marc A. COHEN |
| | Art Unit | |
| | Examiner Name | |
| | Attorney Docket Number | W1186/20002 |

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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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|---|---|---|---|---|---|---|
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| | 2 | 20070185961 | A1 | 2007-08-09 | PERLOW et al. | |
| | 3 | 20140219433 | A1 | 2014-08-07 | PAI 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] |
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| | 1 | | | | | | | |

| INFORMATION DISCLOSURE STATEMENT BY APPLICANT ( Not for submission under 37 CFR 1.99) | | |
|---|---|---|
| | Application Number | |
| | Filing Date | 2017-05-31 |
| | First Named Inventor | Marc A. COHEN |
| | Art Unit | |
| | Examiner Name | |
| | Attorney Docket Number | W1186/20002 |

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| | 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.

| INFORMATION DISCLOSURE STATEMENT BY APPLICANT ( Not for submission under 37 CFR 1.99) | | |
|---|---|---|
| | Application Number | |
| | Filing Date | 2017-05-31 |
| | First Named Inventor | Marc A. COHEN |
| | Art Unit | |
| | Examiner Name | |
| | Attorney Docket Number | W1186/20002 |

**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 | /lawrence e ashery/ | Date (YYYY-MM-DD) | 2017-05-31 |
|---|---|---|---|
| Name/Print | Lawrence E. Ashery | Registration Number | 34515 |

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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# MESSAGING APPARATUS AND METHOD THEREOF

## CROSS REFERENCE TO RELATED APPLICATIONS

**[0001]** This application is a continuation of U.S. patent application 15/293,620, which claims the benefit under 35 U.S.C. 119(e) of U.S. Provisional Application No. 62/358,719, filed July 6, 2016, and U.S. Provisional Application No. 62/253,229, filed November 10, 2015, the entire disclosures of all of which are incorporated by reference herein.

## TECHNICAL FIELD

**[0002]** Implementations of the current disclosure relate generally to real-time electronic communications, and more specifically, for integrating actionable objects into an on-line chat communications platform.

## BACKGROUND

**[0003]** Electronic chat communications (which include chat room communications, instant messaging and text messaging, etc.) are an increasingly popular way for two or more people to communicate on-line in virtual real time. For example, chat sessions for conveying a quick note are often used in the workplace in lieu of have a phone call with multiple individuals. In some situations, an ability to quickly communicate with more than one person using chat communications often saves time and avoids costly mistakes in collaborative efforts, such as team projects. When multiple people, however, are participating in a chat session that may be established for a large project, current electronic

chat communications are limited due the sequential, read-only, chronological presentation of exchanges between individuals or groups individuals associated with the electronic chat session.

## BRIEF DESCRIPTION OF THE DRAWINGS

**[0004]** The disclosure is illustrated by way of example, and not by way of limitation, and will become apparent upon consideration of the following detailed description, taken in conjunction with the accompanying drawings, in which like reference characters refer to like parts throughout, and in which:

**[0005]** **FIG. 1** is a block diagram illustrating a system in which implementations of the disclosure may operate.

**[0006]** **FIG. 2** is a pictorial diagram of a system including a plurality of client devices in accordance with aspects of the disclosure.

**[0007]** **FIG. 3** is an example of a landing interface portal of a client device in accordance with aspects of the disclosure.

**[0008]** **FIGS. 4A-4E** are examples illustrating an interactive interface portal in accordance with aspects of the disclosure.

**[0009]** **FIGS. 5A-5D** are examples illustrating another interactive interface portal in accordance with aspects of the disclosure.

**[0010]** **FIG. 5E** illustrates an exemplary text entry bar that allows for sidebar selection.

**[0011]** **FIG. 6** is an example of a flow diagram illustrating an implementation of a method in accordance with implementations of the disclosure.

**[0012]** **FIG. 7** is an example of a flow diagram illustrating an implementation of a method in accordance with implementations of the disclosure.

**[0013]** **FIG. 8** is an example of a flow diagram illustrating an implementation of a method in accordance with implementations of the disclosure.

**[0014]** **FIG. 9** illustrates a diagrammatic representation of a machine in the exemplary form of a computer system.

**[0015]** **FIG. 10A-10I** are screenshots that illustrate one or more exemplary embodiments of the present invention.

## DETAILED DESCRIPTION

**[0016]** Implementations of the disclosure provide techniques for integrating actionable objects into an on-line chat communications platform. This may be advantageous in improving chat messaging technology by providing user perceivable actionable objects in a chat session that are executed by a client device to enhance communications between participants of the session.

**[0017]** To communicate typically, various different mediums use a number of different applications resulting in a loss of context and continuity in the communications. For example, some users may not be able to keep track of whether a message that was sent to or received from another user using different modes of communication (e.g., chat/email, etc.). In such cases, there is no organization flow associated with the messages nor is it possible to determine a response came before or after another message sent or received. Furthermore in traditional chat technology, information is extremely perishable. For

example, once a message is off the top of the screen, it is rarely seen again, thus making it even harder to maintain the context of the message stream.

**[0018]** In accordance with the present disclosure a system is provided that is intended to be used as a system of record for an organization, work group, social group, etc., using various combinations of communication techniques. In some aspects, the system addresses the problems in chat technology of disjointed, ad hoc electronic communications. For example, by allowing one-to-one private messaging within a group chat channel this disclosure addresses a common problem of reply-to-all clutter while retaining context and continuity (place, time, meaning), and the flow of the conversation for each unique user. Further, by integrating a system of identifying and grouping together past messages from within a channel and even allowing those messages to be combined with other past messages from other channels, this disclosure addresses the problem of discussion archival and retrieval and by further still integrating actionable objects such as "Tasks", "Ideas", "Events", "Surveys", etc., into the system. This allows messages (e.g., chat messages) to be "typed" making them organized, searchable, referenceable, context oriented and actionable thereby enhancing communications, saving time and increasing productivity of users. The elements of this disclosure provide additional advantages that are further enhanced when the elements are combined and integrated together making possible a comprehensive and dynamic system of record. In some implementations, the disclosure can be implemented in accordance with numerous aspects consistent with the techniques presented herein.

**[0019]** Although implementations of the disclosure may be particularly beneficial in certain types of communication platforms (e.g., chat room communications), other types

of communication platforms can be utilized in conjunction with the disclosure. For example, some of these communication platforms may include platforms for text messages, short message services (SMS), e-mails and other types of similar on-line communication platforms for facilitating information exchanges between client devices of a plurality of participants.

**[0020]** In the following description, numerous details are set forth. It will be apparent, however, to one skilled in the art, that the disclosure may be practiced without these specific details. In some instances, well-known structures and devices are shown in block diagram form, rather than in detail, in order to avoid obscuring the disclosure.

**[0021]** The disclosure is related to a system for performing the operations herein. This system may be specially constructed for the required purposes or it may comprise a general purpose computing device selectively activated or reconfigured by a computer program stored therein. Such a computer program may be stored in a non-transitory computer readable storage medium, such as, but not limited to, any type of disk including floppy disks, optical disks, CD-ROMs and magnetic-optical disks, read-only memories (ROMs), random access memories (RAMs), EPROMs, EEPROMs, magnetic or optical cards, flash memory devices including universal serial bus (USB) storage devices (e.g., USB key devices) or any type of media suitable for storing electronic instructions, each of which may be coupled to a computer system bus.

**[0022]** In some implementations, the computer program product, or software may include a non-transitory machine-readable medium having stored thereon instructions, which may be used to program a computer system (or other electronic devices) to perform a process according to the disclosure. A machine-readable medium includes any

mechanism for storing or transmitting information in a form readable by a machine (e.g., a computer). For example, a machine-readable (e.g., computer-readable) medium includes a machine (e.g., a computer) readable storage medium (e.g., read only memory (“ROM”), random access memory ("RAM"), magnetic disk storage media, optical storage media, flash memory devices, etc.), a machine (e.g., computer) readable transmission medium (non-propagating electrical, optical, or acoustical signals), etc.

**[0023]** In one implementation, the computer program product may be installed and/or a service may be selected from a cloud-computing environment in order to obtain the benefits of the techniques described herein. In an implementation, the computer program product may be downloaded onto a client device. For example, a participant may elect to download the computer program product from a service associated with an online server. The client device may transmit a request for the computer program product over a network and, in response, receive the computer program product from the service. The computer program product may be installed locally on the client device or stored at the service and may be accessed through the client device, for example, via a mobile web browser.

**[0024]** **I. EXAMPLE SYSTEMS**

**[0025]** **FIG. 1** is a block diagram illustrating a system **100** in which implementations of the disclosure may operate. In some implementations, the system **100** may facilitate the transfer of electronic communications between computing devices of two or more users or participants over a communication network. The system **100** can include one or more servers (e.g. server device **140)**, which provide access or a communication

link between a plurality of client devices (e.g., client devices **110**, **120** and **130)** in order to facilitate communication between two or more client devices.

**[0026]** As shown in **FIG. 1**, the system **100** may include a plurality of client computing devices, such as client devices **110**, **120** and **130**, coupled to network **195**, and one or more server computing devices, such as server device **140**, capable of communicating with the client computing devices **110**, **120** and **130** over the network **195**. In some implementations, the network **195** may be a private network (e.g., a local area network (LAN), Wi-Fi, Bluetooth, Radio Frequency), a wide area network (WAN), intranet, etc.), or a public network (e.g., the Internet).

**[0027]** Server device **140** may be at one node of network **195** and capable of directly and indirectly communicating with other nodes of the network **195**. For example, the server device **140** may include a web server that may be capable of communicating with client devices **110**, **120** and **130** via network **195** such that it uses the network **195** to transmit and display information to a participant on a display associated with client devices. In some implementations, the server device **140** may also include a plurality of computers that exchange information with different nodes of a network for the purpose of receiving, processing and transmitting data to the client devices **110**, **120** and **130**.

**[0028]** Referring to **FIG. 1**, the computing devices of system **100**, such as client device **110**, may include one or more I/O (input/output) devices **111**, processors **112**, memory **114**, and other components typically present in general purpose computers. "Processor" or "Processing device" herein refers to a device capable of executing instructions encoding arithmetic, logical, or I/O operations. In one illustrative example, a processor may include an arithmetic logic unit (ALU), a control unit, and a plurality of

registers. In a further aspect, a processor may be a single core processor which is typically capable of executing one instruction at a time (or process a single pipeline of instructions), or a multi-core processor which may simultaneously execute multiple instructions. In another aspect, a processor may be implemented as a single integrated circuit, two or more integrated circuits, or may be a component of a multi-chip module (e.g., in which individual microprocessor dies are included in a single integrated circuit package and hence share a single socket). A processor may also be referred to as a central processing unit (CPU). "Memory" herein refers to a volatile or non-volatile memory device, such as RAM, ROM, EEPROM, or any other device capable of storing data. "I/O device" herein refers to a device capable of providing an interface between a processor and an external device capable of inputting and/or outputting binary data. Although, for simplicity, a single processor **112** is depicted in **FIG. 1**, in some other implementations computer system **100** may comprise a plurality of processors. Similarly, in some other implementations computer system **100** may comprise a plurality of I/O devices, rather than a single I/O device **111**.

**[0029]** Instructions **116** of the client device **110** may be a set of instructions to be executed directly (such as machine code) or indirectly (such as scripts) by the processor **112**. In that regard, the terms "instructions," "steps" and "programs" may be used interchangeably herein. The instructions **116** may be stored in object code format for direct processing by the processors **112**, or in another computer language including scripts or collections of independent source code modules that are interpreted on demand or compiled in advance.

**[0030]** Data **118** may be retrieved, stored or modified by processors **112** in accordance with the instructions **116**. For instance, although the present disclosure is not limited by a particular data structure, the data **118** may be stored in computer registers, in a relational database as a table having a plurality of different fields and records, XML documents, or flat files. The data **118** may also be formatted in a computer-readable format such as, but not limited to, binary values, ASCII or Unicode. By further way of example only, the data **118** may comprise information sufficient to identify the relevant information, such as numbers, descriptive text, proprietary codes, pointers, references to data stored in memory or information that is used by a function to calculate the relevant data. For example, the data **118** may include actionable objects **115** that may identify user perceivable action that can be included in a chat session.

**[0031]** Each of the actionable objects **115** may comprise an adjustable data structure (e.g., a memory array) comprising a plurality of fields that characterize a type category to associate with a chat message. By incorporating the actionable objects **115** into the creation of the chat messages, the system **100** is able to ascribe a value "type" to each message. In one implementation, when one or more actionable objects **115** are added or inserted into a chat message of the chat session, the actionable object executes a series of steps to be performed by a corresponding user perceivable action. The series of steps can be preprogrammed or variable based on the context of the type category for that action.

**[0032]** In some implementations, each client device may include an application **117** to facilitate different types of electronic communications between each client device and one or more other client devices via network **195**, including providing interactive interface portals **118** for facilitating various operating functions of the disclosure. In one

implementation, the application **117** may be installed and/or a service may be selected in order to obtain the benefits of the techniques described herein. In an implementation, the application **117** may be downloaded onto the client device **110**. For example, a participant may elect to download the application from a service associated with an online server. The client device **110** may transmit a request for the application **117** over network **195** and, in response, receive the application **117** from the service.

**[0033]** The application **117** may be installed locally on the client device **110**. Alternatively, the application **117** can be stored at the service and may be accessed through the client device **110**, for example, via a mobile web browser. By using the application **117**, the client device **110** may integrate into a chat session user perceivable actionable objects, such as actionable objects **115**, which can be executed by the client device **110** to enhance communications between participants of that session. In an alternative implementation, the application **117** may be a firmware embedded in communication device.

**[0034]** As shown in **FIG. 1**, the instructions **116** may include an interface portal **118** for displaying network data and to allow a participant associated with the client device **110** to interactively navigate over the display of data. The interface portal **118** provides for the display of network content, such as chat messages of a chat session or any other type of network data, to an I/O device **111** (e.g., a touch screen display) of the client device **110** by sending and receiving data across the network **195**. The network data may be received in response to a transmitted chat message that includes one or more actions objects **115**.

**[0035]** To facilitate integrating actionable objects into a chat session, the instructions **116** of the client device **110** may include actionable object integration module

**119**. The actionable object integration module **119** may generate and transmit user perceivable actionable objects in a chat session that can be executed by the client devices of system **100**. The functionality of the module **119** can exist in a fewer or greater number of modules than what is shown, with such modules residing at one or more computing devices, which may be geographically dispersed. The systems may be operable in conjunction with components of the client device **110** from which it may receive chat message related data and other relevant information regarding the device **110**.

**[0036]** **FIG. 2** is a pictorial diagram of a system **200** including a plurality of computing devices in accordance with aspects of the disclosure. In some implementations of system **200** two or more computing devices (e.g., participant/client devices) may engage in an electronic communication session (e.g., chat session) with each other. In some implementations, a first participant/client device may engage in a chat session with a second participant/client device via a network **195**. As shown, **FIG. 2** illustrates network **195** having a plurality of computing devices, such as client device **110**, and other types of computing devices, a base station **210**, a personal data assistant (PDA) **220**, a laptop/netbook **230** and a tablet **240** as well as computing server devices **250** and **260** (e.g., computing devices that can be located at a number of different receiving stations). The various devices may be interconnected via a network or direct connection **218** and/or may be coupled via a communications network **195** (e.g., a LAN, WAN, the Internet, etc. that may be wired or wireless). In some implementations, the computing devices may communicate with each other before accessing the communication network **195**.

**[0037]** Each device may include, for example, user input devices such as a keyboard **214** and mouse **216** and/or various other types of input devices such as pen-

inputs, joysticks, buttons, touch screens, etc., as well as a display, which could include, for instance, a CRT, LCD, plasma screen monitor, TV, projector, touch screen, etc. Each device may be a personal computer, application server, etc. By way of example only, computing device **110** may be a mobile phone while computing device **260** may be a server. Databases, such as database **270**, may be accessible to one or more of the computing devices or other devices of system **200**. The database **270** may comprise data, such as state information **275**, associated a chat session implemented on the client devices as well as store chat messages transmitted via system **200**.

**[0038]** In one implementation, a resource associated with the system **200** may be used to maintain a consistency of the state information **275** and in such cases when there is a system failure. This is so that the chat session can continue uninterrupted without losing chat participant details. For example, a state manager (not shown) may maintain and transfer the state information **275** to state backup storage (not shown) for later retrieval. State backup storage may be accessible by any of the computing devices of system **200** via network connection **218** so that the chat session between the participants may be rerouted while the state information **275** is maintained, if a computing device of system **200** fails.

**[0039]** In some implementations, the state information **275** may correspond to a chat session between participants associated with the client devices of system **200**. In some implementations, the state information **275** may be stored in database **270** by the state manager running on the server device **260** and/or the client devices or some combination thereof. In one implementation, the state information **275** may include, for example, information regarding the identity of participants of the chat session, the number of chat participants, actionable objects **119** that are applied to the chat session, a unique

identifier associated with each of the action objects 119 and/or the chat message or session, and an order in which chat messages are received as well as other relevant information. When an actionable object **119** is applied in a particular chat session, the state information **275** for that session may be updated in accordance with the user perceivable action associated with the actionable object **119**. This updating of the state information **275** in accordance with the actionable object **119** applied therein is further discussed below with respect to various interactive interfaces of the disclosure.

**[0040] II. EXAMPLE INTERACTIVE INTERFACES**

**[0041]** Embodiments of the disclosure provide actionable functionality to the contents of chat messages to distill and extract central elements of a single, one-to-one or group chat conversation. A participant of the chat sessions may be provided with a variety of different interactive interfaces to facilitate the transfer of an electronic communications between participants in a chat session. In some implementations, the interfaces allow the participants to integrate actionable objects, such as actionable objects **119** into the chat session to enhance the electronic communications between the participants. The interfaces may be flexibly configured to include various types of buttons, cursors, and tools as well as formatted content on a display on a client device. In one implementation, an application, such as application **117** of **FIG. 1**, on the client device of the participant may present the participant with a graphical user interface (GUI) that allows the participant to direct messages comprising the actionable objects **119** to other selected participants of the chat session.

**[0042]** With regards to **FIG. 3**, an example of a landing interface portal **300** of a client device is shown. In some implementations, the landing interface portal **300** may

correspond to the interface portal **118** in system **100** of **FIG.1**. The landing interface portal **300** provides an example interface in which a chat messaging session can be engaged by a number of participants that are represented by the participant icons A-H on the portal **300**. In some implementations, the interface portal **300** may include several panels that include a channel/dialog panel **310,** a message window panel **320** and a side panel **330**. The channel/dialog panel **310** displays the different chat session groups **315** that a particular participant **317** has joined. The message window panel **320** displays the chat messages **325** exchanged by the participants. In some implementations, the message window panel **320** also includes a count of the current participants **323** and a text entry region **327** that allows the participants to insert and reformat the text (i.e., bold, italics, color), add a link (hypertext link) or file, or insert an actionable object or bundle communications into a chat session. The side panel **330** can be adjusted to dynamically display elements regarding various messages or groups of messages **335** and other information to the actionable objects as disclosed herein.

**[0043]** Each message that is entered into the text entry region **327** is displayed in the message window panel **320.** In some implementations, the messages **325** can be flagged or marked (for example, by color) to isolate the message for later use. An advantage of marking individual messages is that it provides participants with a way to indicate, highlight or associate messages, for current use or future recall for themselves or others.

**[0044]** In some implementations, the interface portal **300** provides context relevant searching to display messages that match an inputted search criterion while simultaneously affording the search originator necessary message context. In one example, the participant

taps on a control associated to a particular message in the message window **320** to bring up a palette of color tags. One or more colors may be used to tag the message. The user can select, add, delete and name colors in user settings. In some implementations, the search criterion can be typed, tapped, moved, imported, loaded from a saved file, written, spoken (entered by any known means) through the interface portal **300**. The search criterion can be a single or combination of and/or Boolean search term (word, #tag, name, color, texture), color tags that may be defined and/or reserved. In one implementation, the context relevant searching allows for the discovery of messages that come before and after the "found" instances ("context") to enhance search results. For example, when a User selects a found message, the message is displayed (for example, in the side panel **330)** with messages that came immediately before and immediately after that message.

**[0045]** In some implementations, from time to time a user may wish to initiate or continue a dialog/thread/conversation with another member and may want to quickly identify all of the "mutual" chats/conversations, that is, chats they have in common with the other person. Quickly ascertaining mutual chats can save time and frustration for chat participants. In accordance with the present disclosure, a user can ascertain mutual chats, which allows the user to switch between chat groups, dialogs, threads or conversations. For example, the user can activate a control on a particular message in the message window **320** that in turn displays a list of "mutual" dialogs/conversations (e.g., in the side panel **330**.) User can then select any dialog from the list to immediately switch to that conversation to be displayed in the message window **320**.

**[0046]** In some implementations, the interface portal includes a text crawl region **340** where messages sent to one or more intended recipients are displayed. The text crawl

region **340** may contain text, graphics, sounds or recorded messages (or any combination thereof). The text crawl region **340** can be placed, sized and/or moved to call attention or notice to the participants of the messages. For example, the text crawl region **340** may be enlarged, shrunken, hidden, tagged, named, saved, deleted, forwarded, edited, or remain a static size, random size or variable. Text and/or graphics the text crawl region **340** of the can appear in any color or combination of colors.

**[0047]** Users may have the option of defining the types and conditions under which they will accept, view or have the text crawl region **340** visible to them. A text crawl may be accompanied by a sound or vibration. Associated sounds can be varied depending upon the context and/or content and/or originator of the crawl. Some crawl message can be generated as a result of a subscription, membership or affiliation (e.g., based on defined criteria and linked to a social media account, feed or the like). Text crawl messages may also be automatically generated based upon certain criteria being met such as, for example, a location or proximity to a person, place, thing or an event, date or time. The crawl can be spawned by other third party applications as a result of a search being performed, an inquiry made or a purchase being made. In some implementations, text crawl can be a reminder, an alert, a message, an advertisement, an award, a receipt, a ticket, or other indication. A hypertext or other link can be embedded in the text crawl region **340**. By moving a mouse cursor on the text crawl region **340** or selecting a particular message in the region 340 more information relating to the text crawl may be revealed and acted upon.

**[0048]** In some implementations, the text crawl may include a listing of text that meets a search criterion. For example, when by interacting with the text crawl region **340** (e.g., with a mouse cursor), the search criterion may automatically include all

messages/objects that are tagged as "Crawl" objects. In one implementation, the search may be further refined to include text crawl messages that are included in the dialog chat messages between participants. Initially, the text crawl region **340** may display messages from a particular work group (e.g., that is subscribed to, accepted or originated by a current user to public or social or unknown users). Users may turn on or turn off the text crawl region **340** and can further set parameters such as (but not limited to) the type of crawls the user is willing to accept to be displayed in the text crawl region **340**

**[0049]** In some implementations, crawl "objects" are tagged and can be linked to a single dialog or more than one dialog in the chat message panel **320**. The crawl objects can be sent to one or more recipients, such as registered and non-registered participant. Some participant may receive a notification of the crawl object through mechanisms other than the interface portal **300**, for example, email, text message or other mechanism. A link may be provided in the notification directing the participant to activate the crawl object. If the email or chat software of the recipient is capable with the interface portal 300, the crawl message may be displayed from within the recipient's email or chat service.

**[0050]** In some implementations, the creator of the crawl message may have the option to name the crawl message. The color of the text may be selected and can vary from character to character. The crawl message creator may choose to animate the text (e.g., text flashing). When receiving a crawl notification for the first time, the recipient may be prompted to with several options, such as to "Accept Crawls from the Sender Once, Reject Crawls from the Sender Once, Always accept Crawls from the Sender or Never accept crawls from the Sender." The settings for the text crawl region **340** of interface portal **300** regarding crawl notifications may be set and later modified by the recipient.

**[0051]** **III. CHAT WITH ACTIONABLE OBJECTS**

**[0052]** **FIGS. 4A-4E** are examples illustrating an interactive interface portal **400**. For example, the interface portal **400** may correspond to interface portal **118** of system **100** in **FIG. 1**. Interface portal **400** may be compared to interface portal **300** of **FIG.3**. For example, the interface portal **400** includes several panels that include a channel/dialog panel **410** (which may be compared to channel/dialog panel **410**, a message window panel **420** (which may be compared to message window panel **420**) and a side panel **430** (which may be compared to side panel **330**). The interface portal **400** provides an example interface in which a chat messaging session can be engaged by a number of participants that are represented by the participant icons A-H on the portal **400**. In this example, the interface portal **400** allows participants to integrate user perceivable actionable objects in a chat session channel **425**, which can be executed by a client device to enhance communications between participants of the session channel **425**. In some aspects, by integrating actionable object such as "Tasks", "Ideas", "Events", "Tokens", "Surveys", etc., into chat channels, it allows messages (e.g., chat messages) to be organized, searchable, referenceable and context oriented to enhance communications and increase productivity of users.

**[0053]** In some implementations, a control (e.g., a window tab) on the portal **400** may be activated to display a listing of actionable objects **440** that can be utilized. For example, as shown in **FIG. 4A**, the listing of actionable objects **440** can be display in the side panel **430** of the interface portal **400**. Each actionable object **440** corresponds to a data structure, such as actionable object **115**, which may include a type category indicator to characterize a user perceivable action associated with the actionable object. For example,

the type categories may include, but are not limited to, a question indicator, a task indicator or an idea indicator, a finance indicator, a tokens indicator, a custom category indicator and various of type of indicators associated with a work group or participants of a chat session. When one or more of the actionable objects **440** are added or inserted into a chat message of the chat session, the actionable object executes a series of steps to be performed by a client device executing a corresponding user perceivable action. The series of steps can be preprogrammed or variable based on the context of the type category for that action.

**[0054]** Each actionable object **440** is associated with one or more data structures that provide enhanced functionality to chat communications. In some implementations, a user may select an icon, such as one of icons **450**, associated with an actionable object to insert into the chat session. An advantage of inserting the actionable object **440** into chat messages is that it provides the basis of order and structure to the chat session to provide an interactive presentment of messaging activity. In some implementations, the actionable object **440** can be selected using various mechanisms, such as such as keyboard shortcuts.

**[0055]** Responsive to the selection an actionable object to insert into a chat session, at least one participant of a plurality of participants may be associated with the actionable object. For example, a user may add one or more participants to a dialog box 460 of the interface portal **400**. The association indicates that the actionable object is directed to the identified participants, which may be presented on the participant's client device when the actionable object is transmitted, for example, by using network **195**. In one implementation, the interface portal **400** provides a text input section **470** that may be used to add additional information **470** regarding the user perceivable action to be executed in accordance with the selected actionable object.

**[0056]** When a participant, via the interface portal **400**, creates and sends a communication including the actionable object to the client device of a receiving participant, the receiving participant receives the communication (e.g., in the form of an actionable object control) in the chat session in which the participants are currently engaged. The application, such as application **117** of the receiving client device acts to initiate or enable the actionable object at the receiving participant end by executing the user perceivable action associated with the object. In this regard, the sending participant by sending the actionable object is requesting to escalate the chat session to a more content enriched form of communication. A recipient participant can activate the actionable object control or activate a communication session at the recipient client device in accordance with the user perceivable action of the actionable objects **440**.

**[0057]** In some implementations, the actionable objects **440** may be used in combination. For example, the interface portal **400** may receive a selection of additional actionable objects from the plurality of actionable objects and combine these additional actionable objects with the actionable object in the chat session. The combination may change the characteristics of the user perceivable action to be performed based on a relative order of the inserted actionable objects **440** and other actionable objects **440** appearing elsewhere in the message flow of the chat session.

**[0058]** In one example, the interface portal **400** may detect the presence of two or more task type actionable objects, separated by three question type actionable objects. In this example, the order and/or grouping of the actions performed by the client device with regards to the questions may be adjusted. For example, the interface portal **400** may detect that one question objection has been inserted, which causes the portal **400** to prompt the

user for further information. In some implementations, the presentation, input, characterization, appearance, or non-appearance of the actionable objects can vary based on the combination (or absence of) various actionable objects in a specific chat messages and/or chat session.

**[0059]** **A. QUESTION OBJECTS**

**[0060]** Turning to **FIG. 4B** another view of the interactive interface portal **400** is shown. In this example, if the user selects the question actionable object, the interface **400** may adjust the side panel **430** to provide characteristics relating to a specific type of survey question. For example, the user seeks to add a question to their message to poll for responses from other participants to a chat session in a particular form. When the sending participant initiates this actionable object, several fields are displayed in the side panel **430** in which the sending participant can characterize certain aspects of the question actionable object. As shown in **FIG. 4B** merely as an illustrative example, these fields may include, a plurality of control objects **411** to select a particular question for the chat session, a label field **412**, a recipient field **413** to add particular recipients, a message field **414** as well as other relevant fields regarding the polling question.

**[0061]** In some implementations, the plurality of control objects **411** allows the sending participant to select a combination of different polling questions to provide to the chat session**.** In one implementation, the particular questions may be displayed in a questions region, such as questions region **415** and **416**, of the side panel **430** for further adjusts by the sending participants. Although only two question regions are shown in **FIG. 4B**, the interface portal **400** may include a number of additional questions regions for configuring polling questions in the side panel **430**.

**[0062]** In some implementations, these polling question actionable objects may include, but not limited to, 1) a multiple/single choice object, 2) a ranking object, 3) a slider object, and 4) a narrative response, etc. If the multiple/single choice object is selected, this object provides one or more customizable fields. This object also allows the sending participants to upload, via the interface portal **400**, a media or other file which is associated with the specific choice, such as choice 1 2 or 3 in questions region **415**, which can be presented with the polling question. If the ranking object is selected, this object inserts or references a polling question into the side panel **430** along with inputted configuration settings on how the chat session is to display, categorize, and associate this polling question with regards to other polling questions in the chat session.

**[0063]** If the slider object is selected, the object inserts or references a polling question into the side panel **430** along with pull-down menu options (as shown in questions region **416)** to allow the individual to customize selectable feedback options. For example, the selectable feedback options may include a determined list of slider attributes to allow the sending participant to customize the slider left, center and right attributes (e.g., Strongly Agree, Neither Agree nor Disagree or Strongly agree) to correspond with responses from the receiving participant. It should be noted that this is merely a few examples as other polling questions and question settings can be customized by the sending participant. An advantage of providing a slider object that can be incorporated into the chat session is that the responses can be structured and also viewed numerically (e.g., with reference to a specific position along a slider) as opposed to receiving unstructured narrative responses from the receiving participants that may be difficult to interpret.

**[0064]** In some implementations, the question actionable object can be associated or assigned to one or more receiving participants. For example, information regarding the receiving participants may be inserted into recipient field **413**. In one implementation, the sending participant may send the question actionable objects to receiving participants in the chat session by activating a control **417** on the interface portal **400**. In some implementations, the receiving participants of the polling question can include members and non-members of the chat session, or another team or participant in the chat system that is not in the chat session. In one implementation, non-members may be notified by through an electronic transmission, such as email that a polling question is waiting. A link may be provided in the email notification directing the non-member to move into a browser to view/participate in the polling question. In addition to being notified that a polling question is waiting, the non-member may be provided with other information regarding the polling question, such the identity of the sending participant. The link to the polling question may remain active until a determined period of time, such as an expiration date for the polling questions set by the sending participant.

**[0065]** Once the fields of the selected polling question actionable objects in the side panel **430** are completed, the sending participants may preview the objects before submitting them to the chat session. The polling question actionable objects are then embedded in the chat message as a "structured" data object that can be executed by the client device of a receiving participant. In some implementations, the objects of the side panel **430** can be associated or assigned to one or more receiving participants. For example, information regarding the receiving participants may be inserted into recipient field **413**. In one implementation, the sending participant may send the polling question

actionable object to receiving participant in the chat session by activating a control **417** on the interface portal **400**. In some implementations, the receiving participants may configure certain preferences regarding receiving polling question actionable objects, such as a type of polling questions the participant is willing to accept, a minimum compensation for accepting and/or answering the polling questions, etc.

**[0066]** Responses to the polling questions by members as well as non-members are made available to the sending participants and other authorized members of the chat session. The sending participant may choose whether to make the results available to a respondent immediately after the respondent responds to the polling questions or only once the expiration date and time has passed. In some situations, the sending participants can reward the receiving participants with recognition points or other type of tokens that will be discussed later in the disclosure.

**[0067]** In **FIG. 4C,** another view of the interactive interface portal **400** is shown. In this example, a receiving participant in the chat session may receive a control object **421** that can be activated to display the polling questions, participant information, expiration dates, etc., and be provided with the options for responding. In some implementations, the control object may be highlighted with version colors to indicate that the polling questions are reaching an expiration date in which responses can be received. The receiving participant may selectively execute (e.g., by clicking on the object on the display) the control object **421** to view and respond to the polling questions. In some implementations, the side panel **430** may display in a polling region, such as polling regions **422** and **423**, the polling questions and options for the recipient to respond. In alternative implementations, the polling questions and options may be included in the main window **420** of the interface

portal along with messages in the chat session. When a determined number of the receiving participants have responded, the sending participant may receive the results, for example, as a message within the same chat session, in a results section **424** of the side panel **430**. These results of the polling question can also be shared with the other participants.

**[0068]** **B. TASK OBJECTS**

**[0069]** In **FIG. 4D,** another view of the interactive interface portal **400** is shown. In this example, if the user selects the tasks actionable object, the interface **400** may adjust the side panel **430** to provide characteristics relating to a specific type of tasks for participants of the chat session. For example, the participants may be part of a work group and the sending participant seeks information to manage the process of the work group. When the sending participant initiates this actionable object, several fields are displayed in the side panel **430** in which the sending participant can characterize certain aspects of the tasks actionable object.

**[0070]** As shown in **FIG. 4D** merely as an illustrative example, these fields may include a plurality of control objects **431** to select a particular task for the chat session, a channel field **432** to identify a channel identifier selected by the sending participant, a recipient field **433** to add particular recipients, a visibility field **434** to indicate whether the assigned task are made visible to other participants, a message field **435**, task entry fields **436** to enter relevant information regarding the assigned task, a notification field **437** to indicate that the sending participant is to be notified when the task is completed as well as other relevant fields regarding the process of the work group. In some implementation, some participants may be able to setup preferences regarding tasks received. These other

relevant fields may include, but not limited to, estimated time to complete a task, requisite qualifications, minimum compensation for accepting, etc.

**[0071]** Once the task entry fields **436** are completed, the sending participants may preview the task before submitting the tasks actionable object **431** to the chat session. The tasks actionable object is then embedded in the chat message as a "structured" data object that can be executed by the client device of a receiving participant. In some implementations, the tasks actionable object **431** can be associated or assigned to one or more receiving participants. For example, information regarding the receiving participants may be inserted into recipient field **433**. In one implementation, the sending participant may send the tasks actionable object **431** to receiving participant in the chat session by activating a control **438** on the interface portal **400**. In some implementations, the receiving participants may configure certain preferences regarding receiving task actionable objects, such as a type of task the participant is willing to accept, a minimum compensation for accepting the task, etc.

**[0072]** In some implementations, the receiving participants can include members and non-members of the chat session, or another team or participant in the chat system that is not in the chat session. In one implementation, non-members may be notified by through an electronic transmission, such as email that a task is waiting. A link may be provided in the email notification directing the non-member to move into a browser to view the task. In addition to being notified that a task is waiting, the non-member may be provided with other information regarding the task, such the identity of the sending participant.

**[0073]** In some implementations, a control object **439** (e.g., a slider display object) to control an input of response information is inserted into the chat session related to the

actionable object executed on the client device of the participants. If an individual task is assigned to more than one participant than multiple control objects, such as slider object **439**, may be displayed indicating the progress (% completed) of that corresponding participant. The control objects are adjustable only by the intended participant. In some implementations, the "Task" percent complete along with the date that the slider is last updated is shown in the control object. For example, a task 50% complete on a date that was 4 days prior to the current date may indicate something different than a note from the participant indicating that the task was 50% complete as of the current date. In some implementations, slider object **439** may appear in a certain color and can be adjusted by the receiving participant in accordance with a process status of the task, such as Green, Yellow and Red.

**[0074]** **C. IDEA OBJECTS**

**[0075]** With regards to **FIG. 4E,** another view of the interactive interface portal **400** is shown. In this example, if the user selects the idea actionable object, the interface **400** may adjust the side panel **430** to provide characteristics relating to a specific type of input for an idea actionable object to include in the chat session. For example, the participants may be part of a work group and the sending participant wants to propose an idea to the work group. When the sending participant initiates this actionable object, several fields are displayed in the side panel **430** in which the sending participant can characterize certain aspects of the idea actionable object.

**[0076]** As shown in **FIG. 4E**, merely as an illustrative example, these fields may include a plurality of control objects **441** to select a particular idea type for the chat session, a channel field **442** to identify a channel identifier selected by the sending

participant, a recipient field **443** to add particular recipients, idea entry fields **444** to provide for certain responses to the idea, a message field **445** to provide idea details as well as other possible fields. The idea actionable object can be embedded in the chat message as a "structured" data object that can be executed by the client device of a receiving participant. In some implementations, the idea actionable object **441** can be associated or assigned to one or more receiving participants. For example, information regarding the receiving participants may be inserted into recipient field **443**. In one implementation, the sending participant may send the idea actionable object **441** to receiving participant in the chat session by activating a control **446** on the interface portal **400**.

**[0077]** In some implementations, the receiving participants can include members and non-members of the chat session, or another team or participant in the chat system that is not in the chat session. In one implementation, non-members may be notified by through an electronic transmission, such as email that a task is waiting. A link may be provided in the email notification directing the non-member to move into a browser to view the task. In addition to being notified that a task is waiting, the non-member may be provided with other information regarding the task, such the identity of the sending participant.

**[0078]** In some implementations, a control object **447** (e.g., a slider display object) to control an input of response information into the chat session related to the actionable object executed on the client device of the participants. If an individual idea is assigned to more than one participant then multiple control objects, such as slider object **439**, may be displayed. The control objects are adjustable only by the intended participant. In some implementations, the slider can be updated to provide a uniform numerical response for the participant rather that unstructured data. In some implementations, the interface portal **500**

may provide an indicator (e.g., a display icon) of a total number of respondents to the idea as well as an average score of all responses received based on the control objects **447** associated with each receiving participant.

**[0079] IV. OTHER EXAMPLE INTERACTIVE INTERFACES**

**[0080]** **FIGS. 5A-5D** are examples illustrating an interactive interface portal **500**. For example, the interface portal **500** may correspond to interface portal **118** in system **100** of **FIG. 1**. Interface portal **500** may be compared to interface portal **300** of **FIG.3** and interface portal **400** of **FIG. 4**. For example, the interface portal **500** includes several panels that include a channel/dialog panel **510** (which may be compared to channel/dialog panel **310** and channel/dialog panel **410**, a message window panel **520** (which may be compared to message window panel **320** and message window panel **420**) and a side panel **530** (which may be compared to side panel **330** and side panel **430**). The interface portal **500** provides an example interface in which a chat messaging session can be engaged by a number of participants that are represented by the participant icons A-H on the portal **500**. In this example, the interface portal **500** allows participants to integrate user perceivable actionable objects in a chat session channel **525**, which can be executed by a client device to enhance communications between participants of the session channel **525**.

**[0081] A. SIDEBAR SELECTION**

**[0082]** In some implementations, the system provides asymmetrical chat through chat channels that are generally visible to all or directed participants in an intended group. An advantage of this is that users can reply 1 to 1 to someone in a group chat rather than the typical limited and distracting Reply-To-All messaging technology. For example, a user can reply directly to someone in a group chat that can be kept private from other

group members without having to engage the entire group, while retaining context and relativity to the broader conversation for the participants of the 1 to 1 conversation.

**[0083]** Turning to FIG. **5A**, another view of the interactive interface portal **500** is shown. In this example, interactive interface portal **500** includes the capability of opening a sidebar selection **531** that allows two or more members, such as member A and G of a larger group session channel **525** to communicate privately in a private chat session **535**. In some implementations, the private chat session **535** is hidden from display to the other participants of the larger group session. In one implementation, the interface portal **500** may include controls **533** to integrate some or all of the private chat session **537** into the larger group session channel **525** for display to other participants. In some implementations, the private chat session **535** in response to a request from the first participant or the second participant may permit a third participant to join the second chat session that is either currently in or not in the larger group session channel **525**.

**[0084]** In some implementation, a first chat participant, such as participant A, clicks on and/or hovers over the display name for a second chat participant, such as participant G, in the main window **520**, a sidebar session **531** opens. In some implementations, the first chat participant may also initiate the sidebar session **531** by activating a control **533** associated with a message from the second chat participant. The sidebar session **531** allows the first chat participant to interact directly with the second chat participant outside of larger group session channel **525** that includes the other participants. The sidebar session **531** includes functions available to users of interface portal **500**. For example, sidebar session **531** allows the first and second chat participants to integrate

actionable objects, such as actionable objects **119,** into the private chat session **535** to enhance the electronic communications between the participants.

**[0085]** Fig. 5E is an exemplary screen shot that illustrates one exemplary approach that allows users to initiate a Sidebar. A Sidebar may be a 1:1 private conversation between two (for example) members (or more) of a larger group conversation from within a group channel. Messages in the Sidebar are only visible to the parties to the Sidebar. This is further described below with reference to Figs. 10A – 10I.

**[0086]** **B. TARGETED INCLUSION WITH RESPONSE RULES**

**[0087]** In some implementations, the system of the present disclosure allows users to send and receive emails from a group chat channel. For example, a user may send a message to the e-mail address of someone outside of the system. When a response to the email comes back, the originator of the message can choose to share the entire incoming email or subset thereof with the group or directed participants of the group. To avoid unwanted, unsolicited messages and spam back into a chat channel, the system ascribes a unique identifier to each email sent and in combination with rules for the unique identifier. This permits the sender of an email from the system to define and associate response rules to outgoing messages for replying emails. These rules may be applied to accept or reject to the incoming emails and may include, but not limited to, only accepting a defined number of responses or only accepting responses that are received within a defined period of time (or any combination thereof), accepting a certain number of response (e.g., up to three responses even after the time period expires), accepting emails from associated accounts (e.g., an email may be sent to a user's work email but responses can still be accepted from another (personal) email account associated with the user in accordance with the rules) as

well as other types of rules. By including the email message into the chat message stream at the time and place an email originated from and is received, the emails are placed into the discussion in context. Thus, the channel message stream retains meaning and immediate lasting context that is not available in typical chat technology.

**[0088]** In **FIG. 5B**, another view of the interactive interface portal **500** is shown. In this example, interactive interface portal **500** includes the capability of linking an e-mail session panel **540** to a chat session associated with the plurality of participants. In this regard, the email session may include an actionable object that can be integrated into the chat session. The email session panel **540** may include a plurality of fields to provide information regarding one or more email addresses in which data may be received and integrated into the chat session. The plurality of fields may include, but is not limited to, an email address field **541** to enter one or more email addresses and a time period field **542** that indicates the chat message session is active to receive data, via a network connection, from the email session during a predetermined time period. For example, the time period field **542** may include a drop down menu of time periods that can be associated with the e-mail session.

**[0089]** After entering the relevant information into the email session panel **540**, the sending participant may integrate the email session into chat session by activating a control **546** on the interface portal **500**. In this regard, an indicator **544** of the email session that is incorporated in the chat session may be displayed on the main window **520** of the interface portal **500**. During the determined time period, data may be received from the email session to be incorporated into the chat session. For example, the data may be displayed in the main window **520** of the interface portal **500** as chat messages. If it is detected that the

time period has expired, an alert may be provided by the system to the e-mail session to indicate that data received from the email session is rejected for inclusion in the chat message session.

**[0090]** As shown in **FIG. 5B**, data **543** received from the email address associated with the email session may be then incorporated into the chat session. In some implementations, this data **543** may include an actionable object, such as actionable object **119**, comprising a type indicator to characterize a user perceivable action to be executed in the chat message session. In some implementations, the data **543** may include a control 549 that can be activated to incorporate all or a portion of the data received from the email session into the chat session. In one implementation, the actionable object received from the email session may be combined with a second actionable object in the chat session to adjust characteristics of the user perceivable action to be executed as discussed above. In some implementations, action object can be sent to the email session. In such cases, the email session may receive a link that would direct the user back to the system to complete the action associated with the action object. For example, if the action is a polling question object, the response for the e-mail session may be incorporated into the overall results associated with the object in the chat session. In other cases, if the task object is sent to the email session, the recipient may update a status of the task to indicate their completion status. This update is then recorded and reflected in the action object related to the chat session.

**[0091]** **C. BUNDLE COMMUNICATIONS**

**[0092]** With bundle communications, the system of the present disclosure allows users to parse through a previous channel discussion and assemble those messages and

actions that the user desires to be saved for future reference. These Bundles can be appended to messages in the chat channel, for example by the creator or others participants if so constructed. In one example, the bundle communications can include a bundle message associated with a particular topic, such as a bundle of best practices or a bundle consisting of an important team discussion or decisions.

**[0093]** In **FIG. 5C**, another view of the interactive interface portal **500** is shown. In this example, interactive interface portal **500** includes the capability of selecting particular messages from a chat session to include in a discussion bundle **550**. The discussion bundle **550** may include plurality fields that include, but not limited to, a name field **551**, one or more display/update option fields **552** that may indicate whether the discussion bundle **550** can be shared, is private or updatable by other participants, and an indicator of the messages **553** included in the bundle. For example, a participant may select an icon, such as indicator **554**, at each of the messages to be included in the discussion bundle **550**. After identifying the message to be included discussion bundle **550**, the sending participant may integrate discussion bundle **550** into chat session by activating a control **555** on the interface portal **500**. In this regard, an indicator **556** of the messages incorporated in the chat session may be displayed on the main window **520** of the interface portal **500**.

**[0094]** **D. TOKEN ITEMS**

**[0095]** With regards to **FIG. 5D**, an example of the interactive interface portal **500** is shown. In this example, the interface portal **500** includes the capability of transmitting token items **560** of a certain value to participants or groups of participants through a chat session. Each token item is associated with a vendor from a list of vendors **561** that provides a particular service or product. In some implementations, a participant may select

a token item **560** to transmit to another participant in the chat session. An indicator (such as icon indicators **565**, **566** and **567**) of the token item **560** may be inserted into the main window **520** of the interface portal. The token item **560** may include, but not limited to, an intended recipient, a value field **562** associated with the token, and a payment method field **563** (e.g., banking or credit card information).

**[0096]** In some implementations, a participant may enter or select a value in the value field **562** to be associated with the token item **560**. The sending participant may integrate the token item into chat session by activating a control **564** on the interface portal **500**. When the sending participant activates the control **564**, a transaction is registered with the system regarding the token item **560**. A confirmation screen may appear along with legal disclaimer information, terms and conditions and/or requesting that the form of payment. If a form of payment is previously entered and saved in the payment method field **563** then the participant may be asked to confirm the saved information. Alternatively, if a credit balance exists in the sending participant's account may be debited. In one implementation, a bank account associated with the sending participant may be established and funded by credit, cash or otherwise. If the account is pre-funded with an amount, for example $50, then subsequent selected token item **560** and their corresponding costs would be debited from the account balance.

**[0097]** Each token item **560** is assigned a transaction identifier and encoded with a unique identifier and authentication code to ensure the token's authenticity. In some implementations, techniques of disclosure for providing the token items **560** can be directly integrated into the point-of-purchase payment system utilized by any specific vendor. In one implementation, the token items **560** can be linked to a physical card (e.g.,

gift card) associated with the vendor. In other implementations, an exchange system may be employed so that if a user wants to (for example) exchange their token items **560** for another type of token item. In this regard, the exchange may include determining an exchange rate to convert a value of one token item to an equivalent value of the other token, such as converting dollars to their equivalent miles.

**[0098]** In some implementations, a participant may select a token item from the vendor list **561**. In one implementation, the participant may send a token as a reaction to a chat message by selecting the chat message in the main window **520** and selecting a control icon 533 associated with gifting the token items **560**. In this example the participant selects to gift the token item to a recipient as represented by the gift token icon **565** in the chat session. In some implementations, the receiving participant may identify certain selections to indicate their preferred gift choices. In this manner, the sending participant of a gift is able to identify the gift preferences of the intended recipient. In one implementation, the sending participant may override the receiving participant preferred gifts and select a different gift to provide to the recipient. Some gifts may have monetary value while others may be associated with, for example, a points system of the specific vendor. In some implementations, the gift token icon **565** may display a group of gifts to select from that are provided by the sending participant.

**[0099]** In some implementations, the recipient of the token does not have to be member of the chat session. For example, the recipients may be selected by a charity or other entities engaged in fundraising. In this example, the sending participant may conduct a funding campaign to solicit donations from receiving participants, who may be members or non-members, in the chat session. The receiving participants may receive the token item

and choose to contribute an amount towards to recipient. The total amount raised and/or goal may be indicated in the token item as displayed on the interface portal 500.

**[00100]** In some implementations, the token items **560** may represent items up for auction as indicated by the auction token icon **566**. In this example, a product or item may be shown along with a current bid amount. Users can bid on items being offered. In this regard, certain rules can be established to represent what constitutes a winning bid and how many winners there can be amongst the participants. User can click on the auction token icon **566** to view more details, conditions, reviews, etc., regarding the auction. Bidding for an item may end based on the rules as well as the rules defined by the sending participant and related to the item being offered. Users and/or authorized 3rd party vendors or companies can post items to be auctioned.

**[00101]** In some implementations, the token items **560** may represent items up for sale as indicated by the sale token icon **567**. In some implementations, users may select a group sale or flash sale associated with the sale token icon **567** or direct the sale of the item to a particular participant in the chat session. Receiving participants may hover over, select, click or otherwise activate the sale token icon **567** to indicate an interest in a specific message. The user may be able to view additional information about the item being offered for sale by hovering or clicking (selecting) the sale token icon 567. When the user activates the sale token icon **567**, several choices may be displayed for the user to indicate an interest and how the pay for the item. For example, the payment options may include, but not limited to, "buy now", "buy", "finance", etc. In an alternative implementation, the payment options may be pre-configured and associated with a credit card, debit card, ACH or another type of payment account.

**[00102]** **V. EXAMPLE FLOW DIAGRAMS**

**[00103]** To better aid in understanding implementations of some of the aspects described above that are, for example, related to integrating actionable objects into an on-line chat communications platform, reference is now made to the following flow diagrams. It should be noted that the following operations do not have to be performed in the precise order described below. Rather, various operations can be handled in a different order or simultaneously, and operations may be added or omitted.

**[00104]** **FIG. 6** depicts a flow diagram of a method **600** in accordance with one or more aspects of the disclosure. In one implementation, the processing device **112** of **FIG .1** may perform method **600**. The method **600** may be performed by processing logic that may comprise hardware (circuitry, dedicated logic, etc.), software (e.g., software executed by a general purpose computer system or a dedicated machine), or a combination of both. In alternative implementations, some or all of the method **600** may be performed by other components of a shared storage system. It should be noted that blocks depicted in **FIG. 6** can be performed simultaneously or in a different order than that depicted.

**[00105]** Method **600** begins at block **610** where state information of a chat message session associated with a plurality of participants of a group is determined. In block **620**, an actionable object of a plurality of actionable objects is selected based on the state information of the chat message session. Each actionable object comprises a type indicator to characterize a user perceivable action associated with the actionable object. In this regard, the type indicator comprises at least one of: a question indicator, a task indicator or an idea indicator associated with the group. At least one participant of the plurality of participants is associated with the actionable object in block **630**. Thereupon, the

actionable object is provided to the chat message session to be selectably executed by a client device associated with the at least one participant in block **640**. In block **650**, the state information associated with the chat message session is updated in accordance with the actionable object.

**[00106]** **FIG. 7** depicts a flow diagram of a method **700** in accordance with one or more aspects of the disclosure. In one implementation, the processing device **112** of **FIG .1** may perform method **700**. The method **700** may be performed by processing logic that may comprise hardware (circuitry, dedicated logic, etc.), software (e.g., software executed by a general purpose computer system or a dedicated machine), or a combination of both. In alternative implementations, some or all of the method **700** may be performed by other components of a shared storage system. It should be noted that blocks depicted in **FIG. 7** can be performed simultaneously or in a different order than that depicted.

**[00107]** Method **700** begins at block **710** where state information of a first chat message session of one or more chat message sessions. The first chat message session is associated with a first participant for a plurality of participants of a group is determined. In block **720**, a selection of a second participant of the plurality of participants is received. A side chat area of a user interface is provided in block **730** in accordance with the selection. The side bar area allows the first participant and the second participant to engage in chat messages of a second chat message session associated with the user interface in addition to the one or more chat message sessions. In this regard, the second chat message session is hidden from display to other participants of the first chat message session. In block **740**, the state information of the first chat message session is updated based on the second chat message session.

**[00108]** **FIG. 8** depicts a flow diagram of a method **800** in accordance with one or more aspects of the disclosure. In one implementation, the processing device **112** of **FIG .1** may perform method **800**. The method **800** may be performed by processing logic that may comprise hardware (circuitry, dedicated logic, etc.), software (e.g., software executed by a general purpose computer system or a dedicated machine), or a combination of both. In alternative implementations, some or all of the method **800** may be performed by other components of a shared storage system. It should be noted that blocks depicted in **FIG. 8** can be performed simultaneously or in a different order than that depicted.

**[00109]** Method **800** begins at block **810** where state information of a chat message session associated with a plurality of participants is determined. In block **820**, an email session associated with the one of the plurality of participants is identified in response to receiving input the participant. A time period is associated in block **830** with the email session indicating that the chat message session is active to receive data, via a network connection, from the email session during the time period. In block **840**, the email session is link to the chat message session. In block **850**, the state information associated with the chat message session is updated in accordance with the data received from the email session.

**[00110]** **VI. EXAMPLE MACHINE**

**[00111]** **FIG. 9** illustrates a diagrammatic representation of a machine in the exemplary form of a computer system **900** within which a set of instructions, for causing the machine to perform any one or more of the methodologies discussed herein, may be executed. In alternative implementations, the machine may be connected (e.g., networked) to other machines in a local area network (LAN), an intranet, an extranet, or the Internet.

The machine may operate in the capacity of a server or a client machine in a client-server network environment, or as a peer machine in a peer-to-peer (or distributed) network environment. The machine may be a personal computer (PC), a tablet PC, a set-top box (STB), a personal digital assistant (PDA), a cellular telephone, a web appliance, a server, a network router, switch or bridge, or any machine capable of executing a set of instructions (sequential or otherwise) that specify actions to be taken by that machine. Further, while only a single machine is illustrated, the term "machine" shall also be taken to include any collection of machines that individually or jointly execute a set (or multiple sets) of instructions to perform any one or more of the methodologies discussed herein.

**[00112]** The exemplary computer system **900** may be comprised of a processing device **902** (which may correspond to a processing device **112** within system **100** of **FIG. 1**), a main memory **904** (e.g., read-only memory (ROM), flash memory, dynamic random access memory (DRAM) (such as synchronous DRAM (SDRAM) or Rambus DRAM (RDRAM), etc.), a static memory **906** (e.g., flash memory, static random access memory (SRAM), etc.), and a data storage device **916**, which communicate with each other via a bus **908**.

**[00113]** In a further aspect, the computer system **900** may include a processing device **902** (which may correspond to processing device **112**), a volatile memory **904** (e.g., random access memory (RAM)), a non-volatile memory **906** (e.g., read-only memory (ROM) or electrically-erasable programmable ROM (EEPROM)), and a data storage domain **916**, which may communicate with each other via a bus **908**.

**[00114]** Processing device **902** represents one or more general-purpose processing devices such as a microprocessor, central processing unit, or the like. More particularly,

the processing device may be complex instruction set computing (CISC) microprocessor, reduced instruction set computer (RISC) microprocessor, very long instruction word (VLIW) microprocessor, or processor implementing other instruction sets, or processors implementing a combination of instruction sets. Processing device **902** may also be one or more special-purpose processing devices such as an application specific integrated circuit (ASIC), a field programmable gate array (FPGA), a digital signal processor (DSP), network processor, or the like. Processing device **902** is configured to execute processing logic **926** for performing the operations and steps discussed herein.

**[00115]** Computer system **900** may further include a network interface device **922**. Computer system **900** also may include a video display unit **910** (e.g., a liquid crystal display (LCD) or a cathode ray tube (CRT)), an alphanumeric input device **912** (e.g., a keyboard), a cursor control device **914** (e.g., a mouse), and a signal generation device **920** (e.g., a speaker).

**[00116]** Data storage device **916** may include a machine-readable storage medium (or more specifically a computer-readable storage medium) **924** having one or more sets of instructions embodying any one or more of the methodologies of functions described herein, including instructions encoding the techniques including the actionable object integration module **119** of **FIG. 1** for implementing method **600** of **FIG. 6** and method **700** of **FIG. 7** and method **800** of **FIG. 8** for integrating actionable objects into an on-line chat communications platform. In some implementations, the actionable object integration module **119** may also reside, completely or at least partially, within main memory **904** and/or within processing device **902** during execution thereof by computer system **900**; main memory **904** and processing device **902** also constituting machine-readable storage

media. The actionable object integration module **119** may further be transmitted or received over a network **925** via network interface device **922**.

**[00117]** Instructions **926** may also reside, completely or partially, within volatile memory **904** and/or within processing device **902** during execution thereof by computer system **900**, hence, volatile memory **904** and processing device **902** may also constitute machine-readable storage media.

**[00118]** SIDEBARS AND ASYMMETRICAL GROUP MESSAGING VIEWS

**[00119]** This explanation is further to the explanation above with regard to "SIDEBAR SELECTION" and Fig. 5A.

**[00120]** At present, group chat applications present all messages to all group participants. In fact, this is a basic premise of what group chat is. Inherent in this approach to group chat (channels, rooms, etc) is that unnecessary and meaningless messages are presented to all group participants (Symmetrical – everyone sees everything i.e. all messages). It would be desirable to participate in a group discussion without being subjected to or forced to read meaningless messages – and more to the point, it would be desirable for individual members to communicate privately with another member (or subset of members) from within a group channel. In order to retain situational context, the private messages are desirably viewed embedded within the general channel message stream but also to avoid possible confusion or lack of continuity, the related private messages are desirably also able to be viewed together without the noise of interspersed general channel messages. Presented here is a possible solution and attempt to achieve the aforementioned objectives. It reduces the channel clutter imposed by comments such as "Thanks" intended for one but forced upon all, and provides a mechanism to allow for

private sidebar conversations among a subset of a group or channel – while retaining the situational context of the private comments within and related to the overall general conversation. In an exemplary embodiment of the present invention, only the parties to a sidebar conversation see the messages related to the sidebar conversation (unless other action is taken).

**[00121]** Figures 10A – 10I are a plurality of screenshots that illustrate operation of an exemplary embodiment of the present invention. In Fig. 10A, a plurality of messages that are exchanged between a plurality of participants are displayed. For ease of identification, the messages that are exchanged between the plurality of participants are displayed in a portion of the screen that will be referred to as the main conversation pane. As in standard messaging, all participants of the messaging exchange in the main conversation pane are able to see each other's messages (which includes each other's responses to messages). In Fig. 10A, one of the participants to the message exchange (in this case, Sona, but it could be another participant) desires to have a private conversation with Ali. In this example, Sona and Ali will have a private 1:1 conversation, but in some exemplary embodiments the private conversation may be 1:N, N greater than 1, and the private conversation may exclude at least one person who is participating in the messaging that is displayed on the main conversation pane. Sona thus clicks on the exemplary "arrow" icon . Sona's action results in the message that was sent by Ali at 8:42 AM being designated an "anchor message." As shown in Fig. 10B, in an exemplary embodiment of the present invention, the act of designating Ali's message as an anchor message results in Ali's message being displayed in a separate pane (but this step is optional). For ease of identification, the separate pane displaying Ali's message will be referred to as a sidebar.

As shown in Fig. 10B, a text message box appears with the words "type sidebar message here." In Fig. 10C, Sona begins to type a message that will be seen by Ali but will not be seen by the other participants to the messaging. In Fig. 10D, Sona types the message "would you mind asking her?" Upon pressing the enter key (or taking some other step that transmits the character just typed in) and as shown in Fig. 10E, Sona's response appears in the sidebar and is transmitted to Ali. Again, except for Ali and Sona, none of the other participants to the messaging in the main conversation pane see Sona's response. In Fig. 10F, Ali has typed his response to Sona, and Ali's response appears in the sidebar. Again, except for Ali and Sona, Ali's response is not seen by the other participants to the messaging in the main conversation pane. Fig. 10F illustrates that the conversation that appears in the sidebar can also (optionally) be displayed in the main conversation pane. For purposes of improving visual appearance, the messages that were entered in the sidebar and duplicated in the main conversation pane can be collapsed in the main conversation pane. Fig. 10G illustrates the main conversation pane with collapsed sidebar messages. Clicking/selecting one of the links corresponding to a collapsed sidebar message will open the sidebar and allow the conversation to continue in the sidebar (again limited to the participants in the conversation in the sidebar and excluding all other participants in the conversation in the main conversation pane). As shown in Fig. 10H, once a link to a particular message in the main conversation pane has been selected, the conversation associated with that link can continue in the sidebar. As shown in Fig. 10I, Ali is part of the conversation in the sidebar between Sona and Frank (while other participants of the conversation in the main conversation pane are excluded).

**[00122]** As shown, any participant to the conversation in the main conversation pane can respond to a message that has been designated as an anchor message, and the response can appear in the main conversation pane. The response to the anchor message that is entered into the main conversation pane ("a response) is visible to all other participants in the main conversation pane. Furthermore, a response to a message in the sidebar ("a further response") is seen by the participants participating in the sidebar conversation, but participants to the conversation in the main conversation pane that are not included in the sidebar conversation are excluded from seeing the message.

**[00123]** As shown in the figures, the anchor message and the response received to the anchor message in the main conversation pane may be simultaneously displayed. Furthermore, a response to the anchor message in the main conversation pane and a response to the message in the sidebar may be simultaneously displayed. As shown, the messages that appear in the main message pane are displayed one below the other. Furthermore, the messages displayed in the sidebar may be displayed one below the other.

**[00124]** While a non-transitory machine-readable storage medium **928** is shown in an exemplary implementation to be a single medium, the term "machine-readable storage medium" should be taken to include a single medium or multiple media (e.g., a centralized or distributed database, and/or associated caches and servers) that store the one or more sets of instructions. The term "machine-readable storage medium" shall also be taken to include any medium that is capable of storing or encoding a set of instruction for execution by the machine and that causes the machine to perform any one or more of the methodologies of the disclosure. The term "machine-readable storage medium" shall

accordingly be taken to include, but not be limited to, solid-state memories, and optical and magnetic media.

**[00125]** Some portions of the detailed descriptions are presented in terms of algorithms and symbolic representations of operations on data bits within a computer memory. These algorithmic descriptions and representations are the means used by those skilled in the video processing arts to most effectively convey the substance of their work to others skilled in the art. An algorithm is here, and generally, conceived to be a self-consistent sequence of steps leading to a desired result. The steps are those requiring physical manipulations of physical quantities.

**[00126]** It should be borne in mind, however, that all of these and similar terms are to be associated with the appropriate physical quantities and are merely convenient labels applied to these quantities. Unless specifically stated otherwise, as apparent from the above discussion, it is appreciated that throughout the description, discussions utilizing terms such as "receiving", "determining", "associating", "updating", "providing", "integrating", "selecting", "executing", "processing", or the like, refer to the action and processes of a computer system, or similar electronic computing device, that manipulates and transforms data represented as physical (electronic) quantities within the computer system's registers and memories into other data similarly represented as physical quantities within the computer system memories or registers or other such information storage, transmission or display devices.

**[00127]** Examples described herein also relate to an apparatus for performing the methods described herein. This apparatus may be specially constructed for performing the methods described herein, or it may comprise a general-purpose computer system

selectively programmed by a computer program stored in the computer system. Such a computer program may be stored in a computer-readable tangible storage medium.

**[00128]** The methods and illustrative examples described herein are not inherently related to any particular computer or other apparatus. Various general purpose systems may be used in accordance with the teachings described herein, or it may prove convenient to construct more specialized apparatus to perform methods 300 and 400 and/or each of its individual functions, routines, subroutines, or operations. Examples of the structure for a variety of these systems are set forth in the description above.

**[00129]** Whereas many alterations and modifications of the disclosure will no doubt become apparent to a person of ordinary skill in the art after having read the foregoing description, it is to be understood that any particular implementation shown and described by way of illustration is in no way intended to be considered limiting. Therefore, references to details of various implementations are not intended to limit the scope of the claims, which in themselves recite only those features regarded as the disclosure.

What is claimed is:

1. A method of providing messaging, said method comprising the steps of:

a) providing display of messages exchanged between a plurality of participants;

b) receiving designation of one of said messages as an anchor message;

c) permitting a response received to said anchor message from one of said plurality of participants to be provided to all others of said plurality of participants;

d) providing display of said response; and

e) receiving at least a further response to said anchor message from at least one of said plurality of participants, wherein at least an excluded one of said plurality of participants is prevented from receiving at least said further response.

2. A method according to claim 1, wherein said anchor message and said response received to said anchor message are simultaneously displayed.

3. A method according to claim 1, further comprising the step of simultaneously displaying said response and at least said further response.

4. A method according to claim 1, wherein step c) includes the step of permitting all of said plurality of participants to exchange messages with each other.

5. A method according to claim 1, wherein said messages exchanged with all of said plurality of participants are displayed below each other as said messages are received.

6. A method according to claim 1, wherein step e) includes the step of exchanging a plurality of further messages between said plurality of participants except for said excluded one of said plurality of participants.

7. A method according to claim 5, wherein step e) includes the step of exchanging a plurality of further messages between said plurality of participants except for said excluded one of said plurality of participants.

8. A method according to claim 6, wherein the plurality of further messages are displayed below each other as said further messages are received.

9. A method according to claim 7, wherein the plurality of further messages are displayed below each other as said further messages are received.

10. Apparatus for providing messaging, said apparatus comprising:

a. a memory for storing said messaging; and

b. at least one processor for:

providing display of messages exchanged between a plurality of participants;

receiving designation of one of said messages as an anchor message;

permitting a response received to said anchor message from one of said plurality of participants to be provided to all others of said plurality of participants;

providing display of said response; and

receiving at least a further response to said anchor message from at least one of said plurality of participants, wherein at least an excluded one of said plurality of participants is prevented from receiving at least said further response.

11. Apparatus according to claim 10, wherein said anchor message and said response received to said anchor message are simultaneously displayed.

12. Apparatus according to claim 10, wherein said at least one processor is further for simultaneously displaying said response and at least said further response.

13. Apparatus according to claim 10, wherein said permitting said response includes permitting all of said plurality of participants to exchange messages with each other.

14. Apparatus according to claim 10, wherein said messages exchanged with all of said plurality of participants are displayed below each other as said messages are received.

15. Apparatus according to claim 10, wherein said receiving at least said further response includes exchanging a plurality of further messages between said plurality of participants except for said excluded one of said plurality of participants.

16. Apparatus according to claim 14, wherein said receiving at least said further response includes exchanging a plurality of further messages between said plurality of participants except for said excluded one of said plurality of participants.

17. Apparatus according to claim 15, wherein the plurality of further messages are displayed below each other as said further messages are received.

18. Apparatus according to claim 16, wherein the plurality of further messages are displayed below each other as said further messages are received.

**ABSTRACT**

A method of providing messaging comprises the steps of providing display of messages exchanged between a plurality of participants; receiving designation of one of said messages as an anchor message; permitting a response received to said anchor message from one of said plurality of participants to be provided to all others of said plurality of participants; providing display of said response; and receiving at least a further response to said anchor message from at least one of said plurality of participants, wherein at least an excluded one of said plurality of participants is prevented from receiving at least said further response.

| Electronic Patent Application Fee Transmittal | |
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| **Application Number:** | |
| **Filing Date:** | |
| **Title of Invention:** | MESSAGING APPARATUS AND METHOD THEREOF |
| **First Named Inventor/Applicant Name:** | Marc A. COHEN |
| **Filer:** | Lawrence E. Ashery/Lauren Donaghy |
| **Attorney Docket Number:** | W1186/20002 |
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| Description | Fee Code | Quantity | Amount | Sub-Total in USD($) |
|---|---|---|---|---|
| **Basic Filing:** | | | | |
| UTILITY FILING FEE (ELECTRONIC FILING) | 4011 | 1 | 70 | 70 |
| UTILITY SEARCH FEE | 2111 | 1 | 300 | 300 |
| UTILITY EXAMINATION FEE | 2311 | 1 | 360 | 360 |
| REQUEST FOR PRIORITIZED EXAMINATION | 2817 | 1 | 2000 | 2000 |
| **Pages:** | | | | |
| **Claims:** | | | | |
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|---|---|---|---|---|---|
| 1 | Application Data Sheet | W118620002_ADS.PDF | 1823411<br>880706cb979ac72f1a1f10513dd499380d654891 | no | 9 |
| **Warnings:** | | | | | |
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| 2 | Drawings-other than black and white line drawings | W118620002_Figures.PDF | 3688921<br>75a1ff440abe0e41bd0ee59f7cbaf75b73215e67 | no | 26 |
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| 3 | TrackOne Request | W118620002_TrackOneRequest.pdf | 95822<br>66d8ae90a1861526b56a66f9981294fbf5ee5dea | no | 1 |
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| 4 | Oath or Declaration filed | W118620002_Declarations_Executed.pdf | 1784104<br>72fd753f20b553cedbff2e76e12bec64c070c23d | no | 3 |
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| 5 | Power of Attorney | W118620002_CompletePOA.pdf | 378614<br>5df64b46e5ba1fd613f1a1088934e85bca213043 | no | 2 |
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|---|---|---|---|---|---|
| 7 | Information Disclosure Statement (IDS) Form (SB08) | W118620002_1449.PDF | 1035132<br>cc97c29ab525a0c438708cf7cd3d0b74e653c097 | no | 4 |
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| 8 | | W118620002_ApplicationAsFiled.PDF | 530958<br>6356cc66502f27f125257f84c53ed3989c61ea10 | yes | 52 |

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| 9 | Fee Worksheet (SB06) | fee-info.pdf | 40412<br>9ebb82d6b34b0d1af934075201b29ec53eabb6f6 | no | 2 |
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**If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.**
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**For further information see 37 CFR 1.33(a).**

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

| | | | |
|---|---|---|---|
| **Customer Number** | 03000 | | |
| **Email Address** | | Add Email | Remove Email |

## Application Information:

| | | | |
|---|---|---|---|
| **Title of the Invention** | MESSAGING APPARATUS AND METHOD THEREOF | | |
| **Attorney Docket Number** | W1186/20002 | **Small Entity Status Claimed** | ☒ |
| **Application Type** | Nonprovisional | | |
| **Subject Matter** | Utility | | |
| **Total Number of Drawing Sheets (if any)** | 26 | **Suggested Figure for Publication (if any)** | |

## Filing By Reference:

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

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

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

## Publication Information:

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

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

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| Application Data Sheet 37 CFR 1.76 | Attorney Docket Number | W1186/20002 |
|---|---|---|
| | Application Number | |
| Title of Invention | MESSAGING APPARATUS AND METHOD THEREOF | |

## 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 | 03000 | | |

## Domestic Benefit/National Stage Information:

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

| Prior Application Status | Pending | | Remove |
|---|---|---|---|
| Application Number | Continuity Type | Prior Application Number | Filing or 371(c) Date (YYYY-MM-DD) |
| | Continuation of | 15293620 | 2016-10-14 |
| Prior Application Status | Pending | | Remove |
| Application Number | Continuity Type | Prior Application Number | Filing or 371(c) Date (YYYY-MM-DD) |
| 15293620 | Claims benefit of provisional | 62358719 | 2016-07-06 |
| Prior Application Status | Expired | | Remove |
| Application Number | Continuity Type | Prior Application Number | Filing or 371(c) Date (YYYY-MM-DD) |
| 15293620 | Claims benefit of provisional | 62253229 | 2015-11-10 |

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

## Foreign Priority Information:

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| **Application Data Sheet 37 CFR 1.76** | Attorney Docket Number | W1186/20002 |
|---|---|---|
| | Application Number | |
| Title of Invention | MESSAGING APPARATUS AND METHOD THEREOF | |

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.

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| Application Data Sheet 37 CFR 1.76 | Attorney Docket Number | W1186/20002 |
|---|---|---|
| | Application Number | |
| Title of Invention | MESSAGING APPARATUS AND METHOD THEREOF | |

## 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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| Application Data Sheet 37 CFR 1.76 | Attorney Docket Number | W1186/20002 |
|---|---|---|
| | Application Number | |
| Title of Invention | MESSAGING APPARATUS AND METHOD THEREOF | |

## 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 | Wrinkl, Inc. | | |
|---|---|---|---|
| **Mailing Address Information For Applicant:** | | | |
| **Address 1** | 2 Pond Lane | | |
| Address 2 | | | |
| **City** | Sands Point | **State/Province** | NY |
| **Country** | US | Postal Code | 11050 |
| Phone Number | | Fax Number | |
| Email Address | | | |

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

## Assignee Information including Non-Applicant Assignee Information:

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

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| **Application Data Sheet 37 CFR 1.76** | Attorney Docket Number | W1186/20002 |
|---|---|---|
| | Application Number | |
| Title of Invention | MESSAGING APPARATUS AND METHOD THEREOF | |

**Assignee 1**

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

Remove

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

| Prefix | **Given Name** | Middle Name | **Family Name** | Suffix |
|---|---|---|---|---|
| | | | | |

**Mailing Address Information For Assignee including Non-Applicant Assignee:**

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

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

## Signature:

Remove

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

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

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

| **Signature** | /lawrence e ashery/ | | | Date (YYYY-MM-DD) | 2017-05-31 |
|---|---|---|---|---|---|
| First Name | Lawrence | Last Name | Ashery | Registration Number | 34515 |

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

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| **Application Data Sheet 37 CFR 1.76** | Attorney Docket Number | W1186/20002 |
|---|---|---|
| | Application Number | |
| Title of Invention | MESSAGING APPARATUS AND METHOD THEREOF | |

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

# Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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

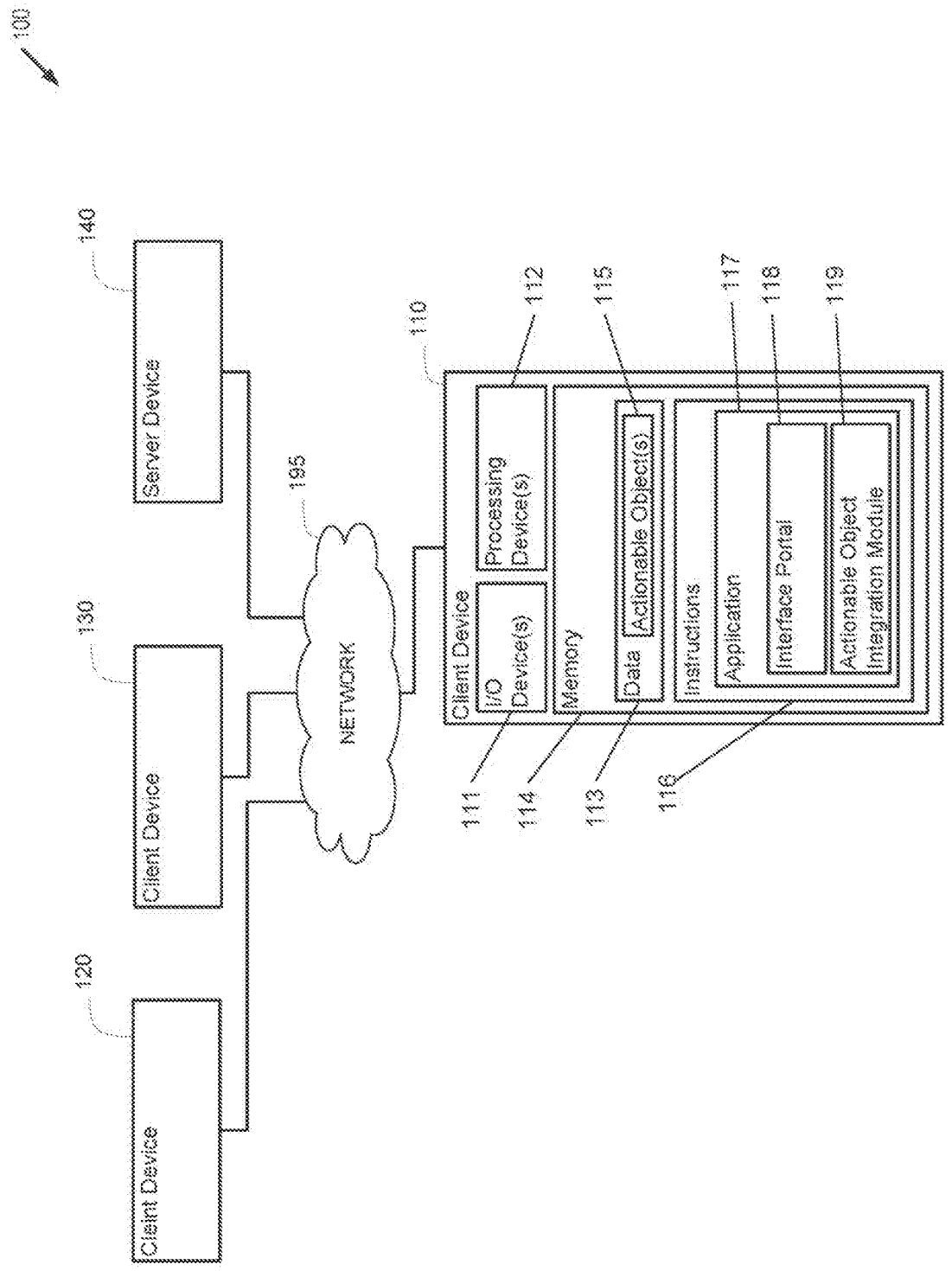

100
140
Server Device
130
Client Device
120
Client Device
195
NETWORK
110
Client Device
I/O Device(s)
Processing Device(s)
Memory
Data
Actionable Object(s)
Instructions
Application
Interface Portal
Actionable Object Integration Module
111
112
113
114
115
116
117
118
119

FIG. 1

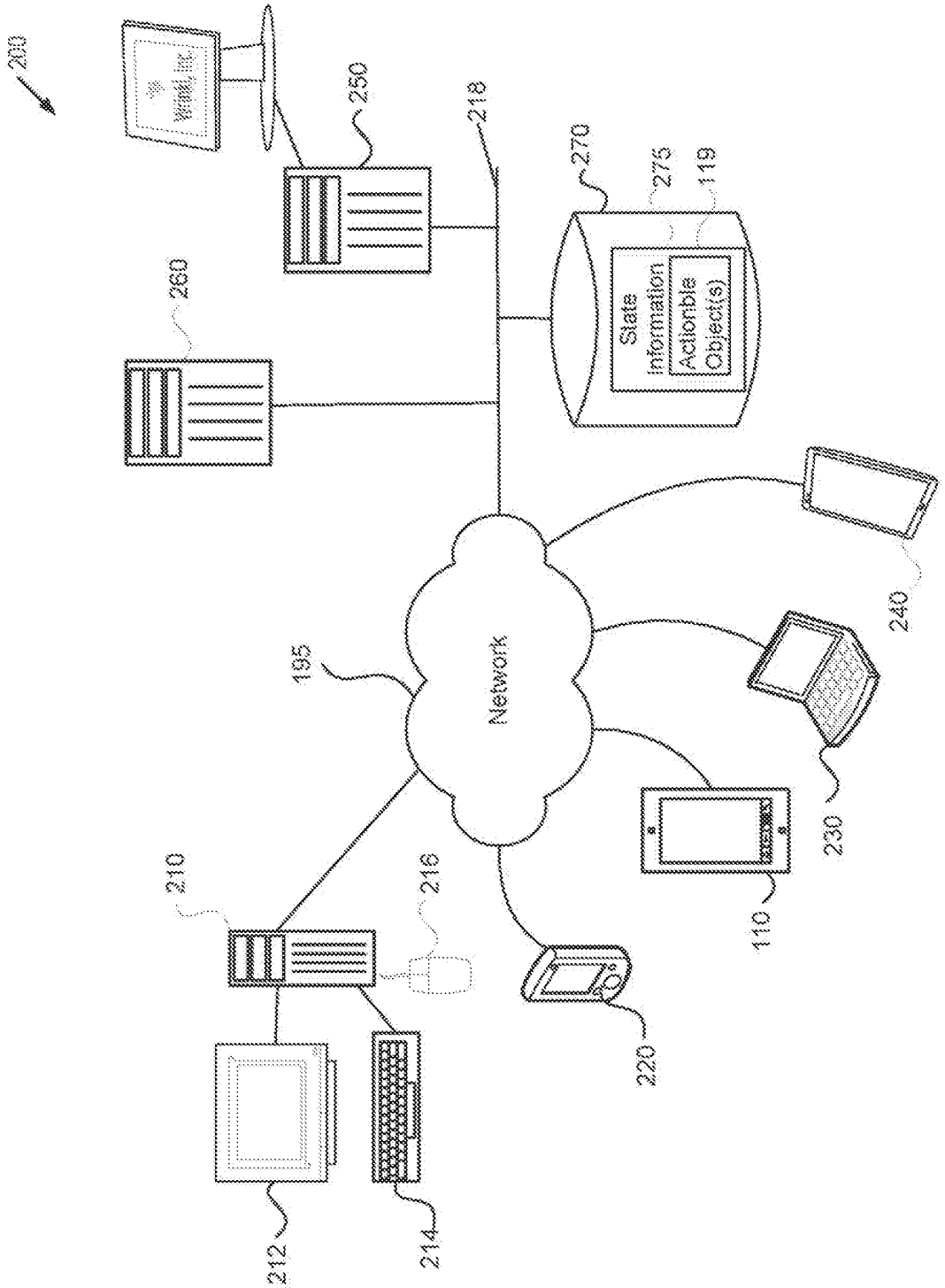

200
250
218
270
275
119
State Information
Actionble Object(s)
260
Network
195
240
230
110
210
216
220
212
214

FIG. 2

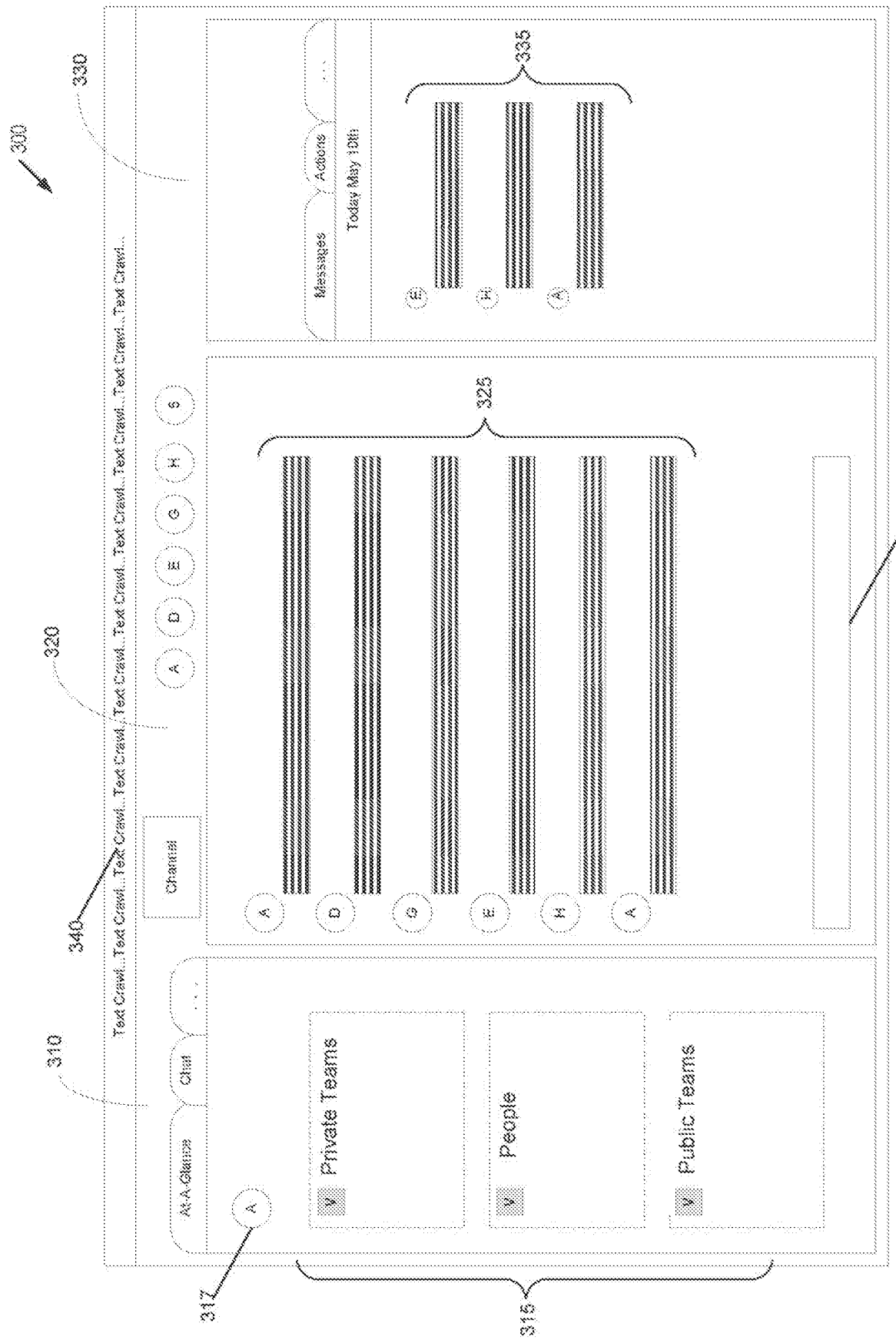

300
310
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330
340
315
317
325
327
335
Text Crawl...Text Crawl...Text Crawl...Text Crawl...Text Crawl...Text Crawl...Text Crawl...Text Crawl...Text Crawl...Text Crawl...
Activity
Chat
Channels
Private Teams
People
Public Teams
Messages
Actions
Today May 10th

FIG. 3

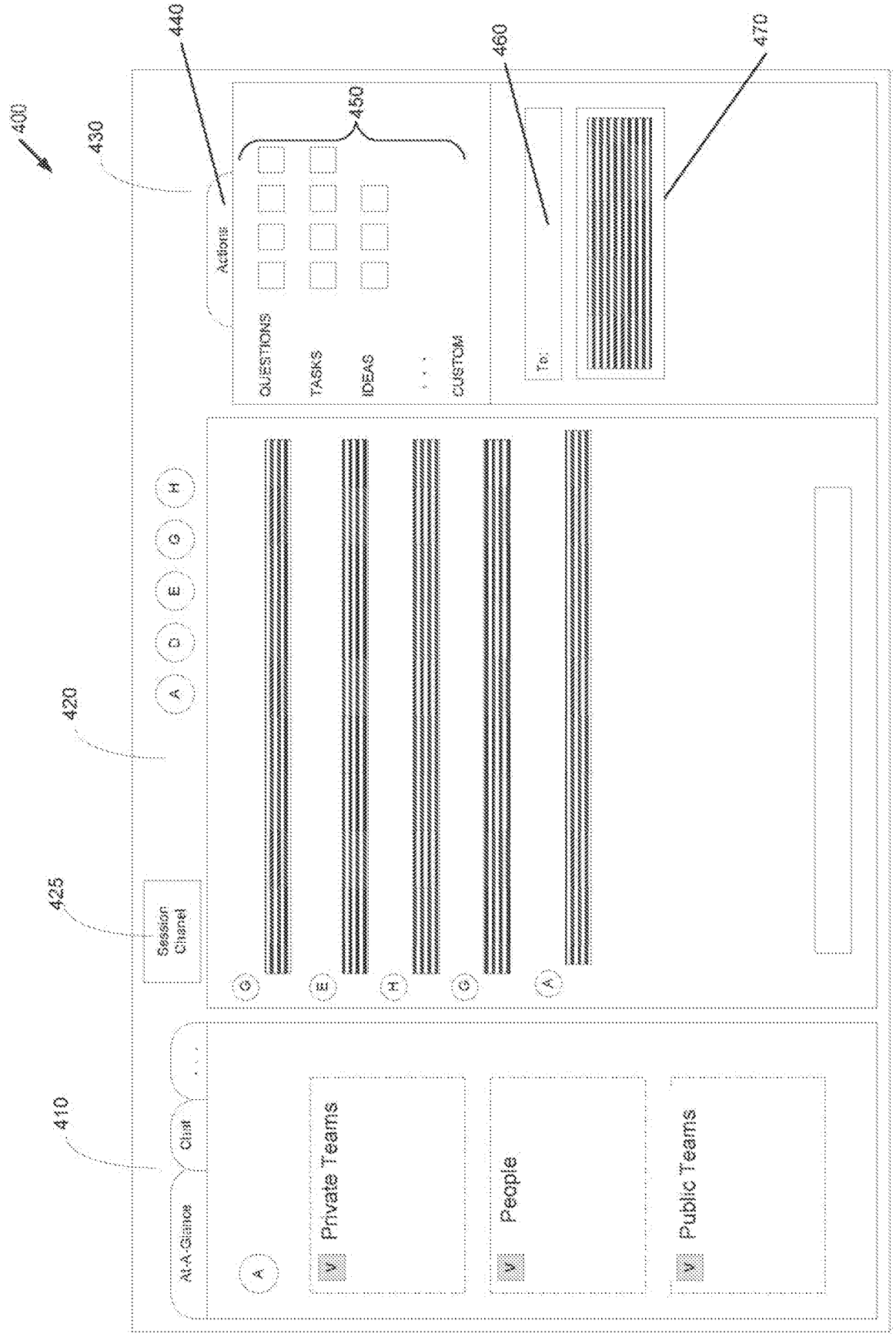

400
410
420
425
430
440
450
460
470
At-A Glance
Chat
Private Teams
People
Public Teams
Session Channel
Actions
QUESTIONS
TASKS
IDEAS
CUSTOM
To:

FIG. 4A

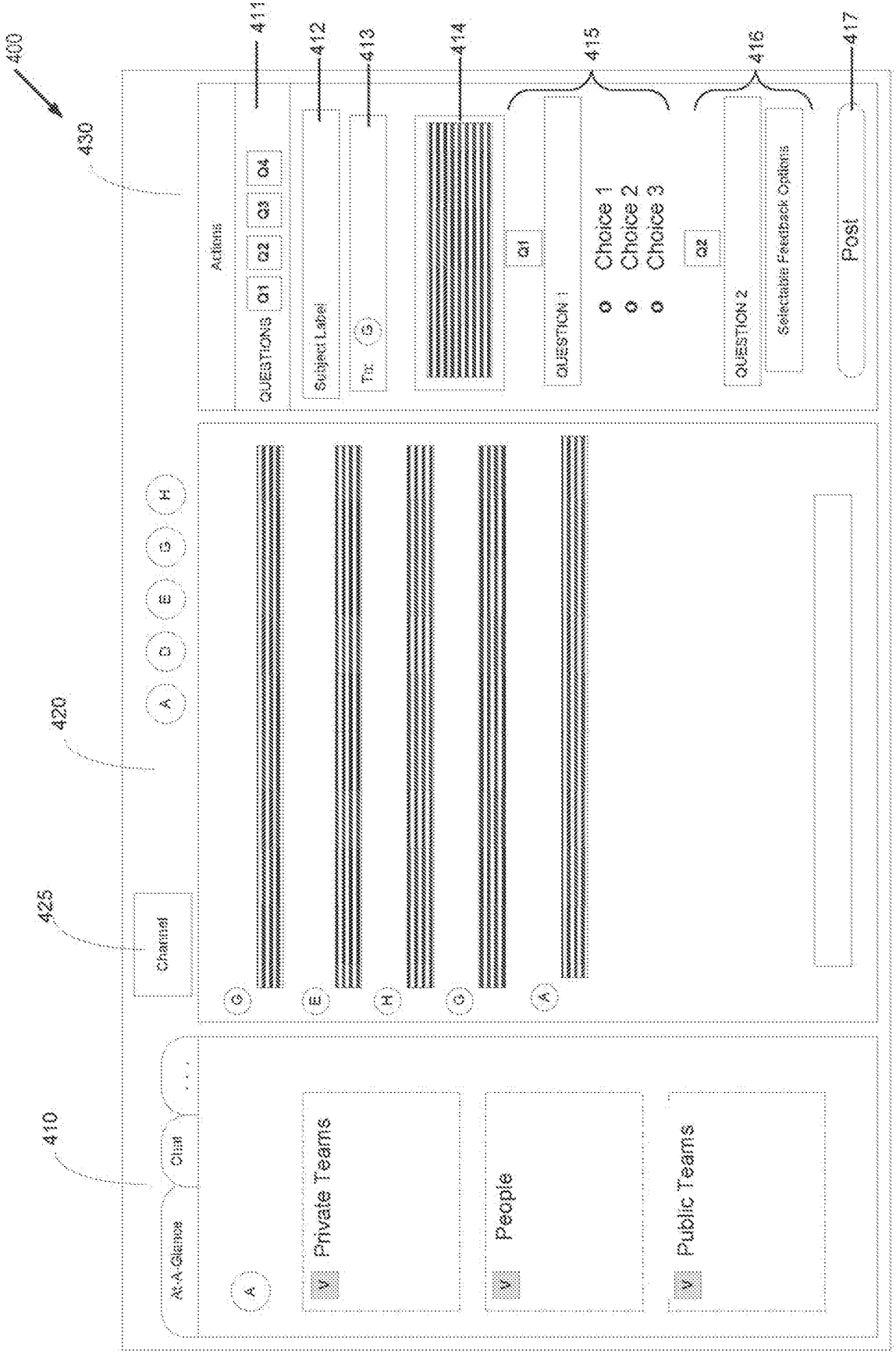

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410
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425
430
411
412
413
414
415
416
417
At A Glance
Chat
Channel
Actions
QUESTIONS
Q1
Q2
Q3
Q4
Subject Label
To:
Choice 1
Choice 2
Choice 3
QUESTION 1
QUESTION 2
Selectable Feedback Options
Post
Private Teams
People
Public Teams

FIG. 4B

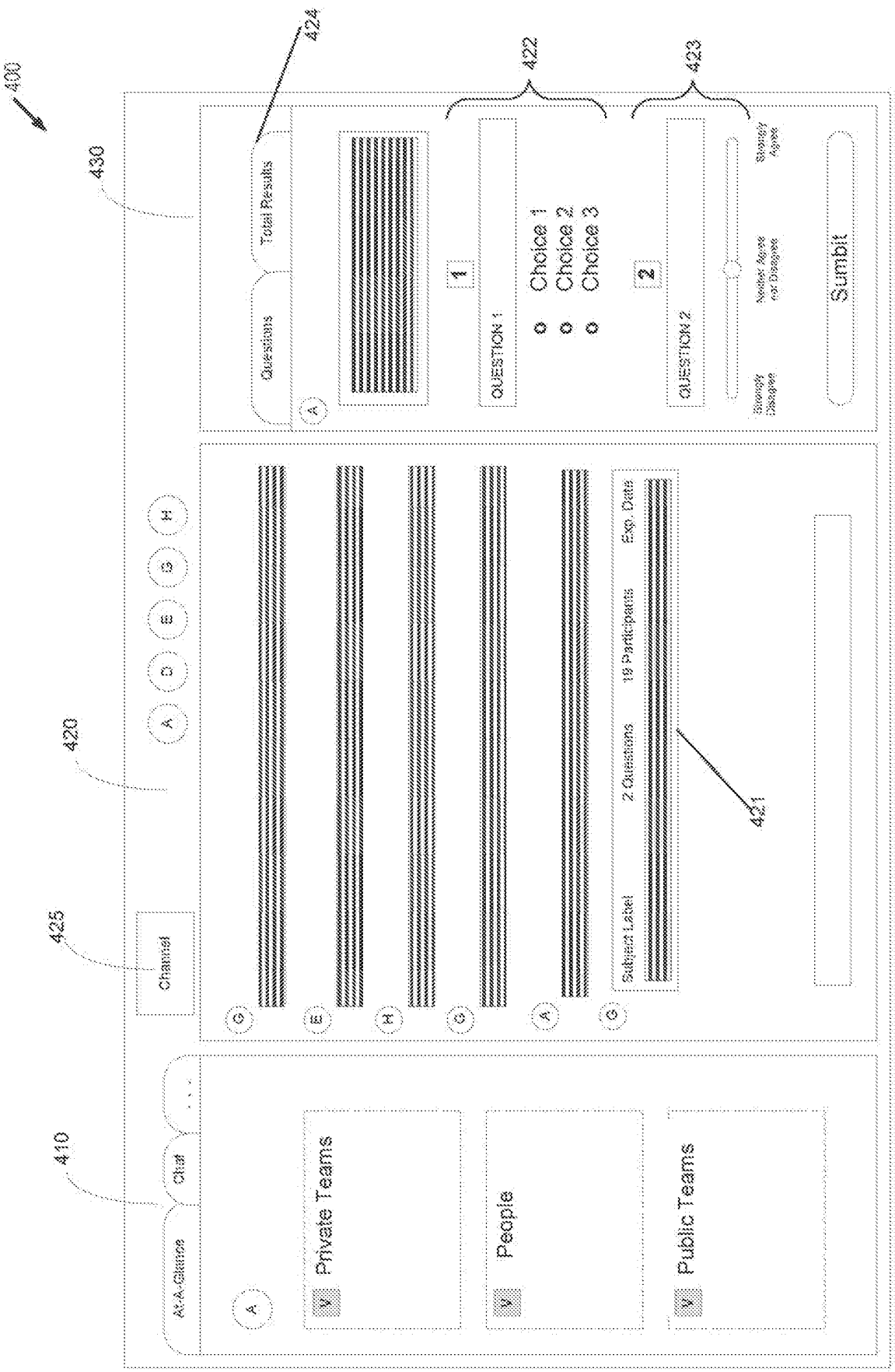

400
410
420
425
430
424
422
423
421
Activity
Chat
Channel
Private Teams
People
Public Teams
Questions
Total Results
QUESTION 1
Choice 1
Choice 2
Choice 3
QUESTION 2
Strongly Disagree
Neither Agree nor Disagree
Strongly Agree
Submit
Subject Label
2 Questions
19 Participants
Exp. Date

FIG. 4C

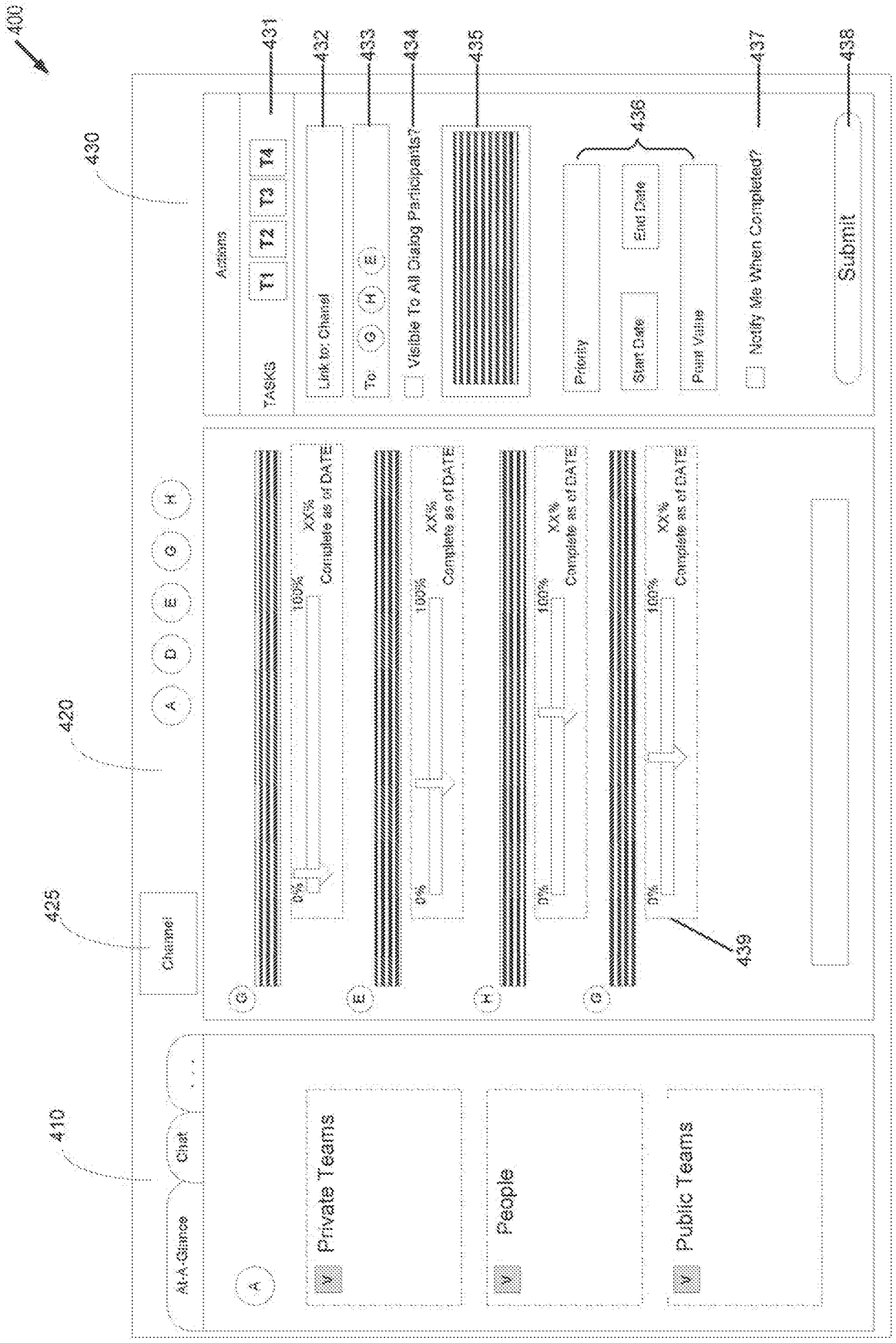

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At-A-Glance
Chat
Channel
Actions
TASKS
T1
T2
T3
T4
Link to Channel
To
Visible To All Dialog Participants?
Priority
Start Date
End Date
Point Value
Notify Me When Completed?
Submit
Private Teams
People
Public Teams
0%
100%
XX%
Complete as of DATE

FIG. 4D

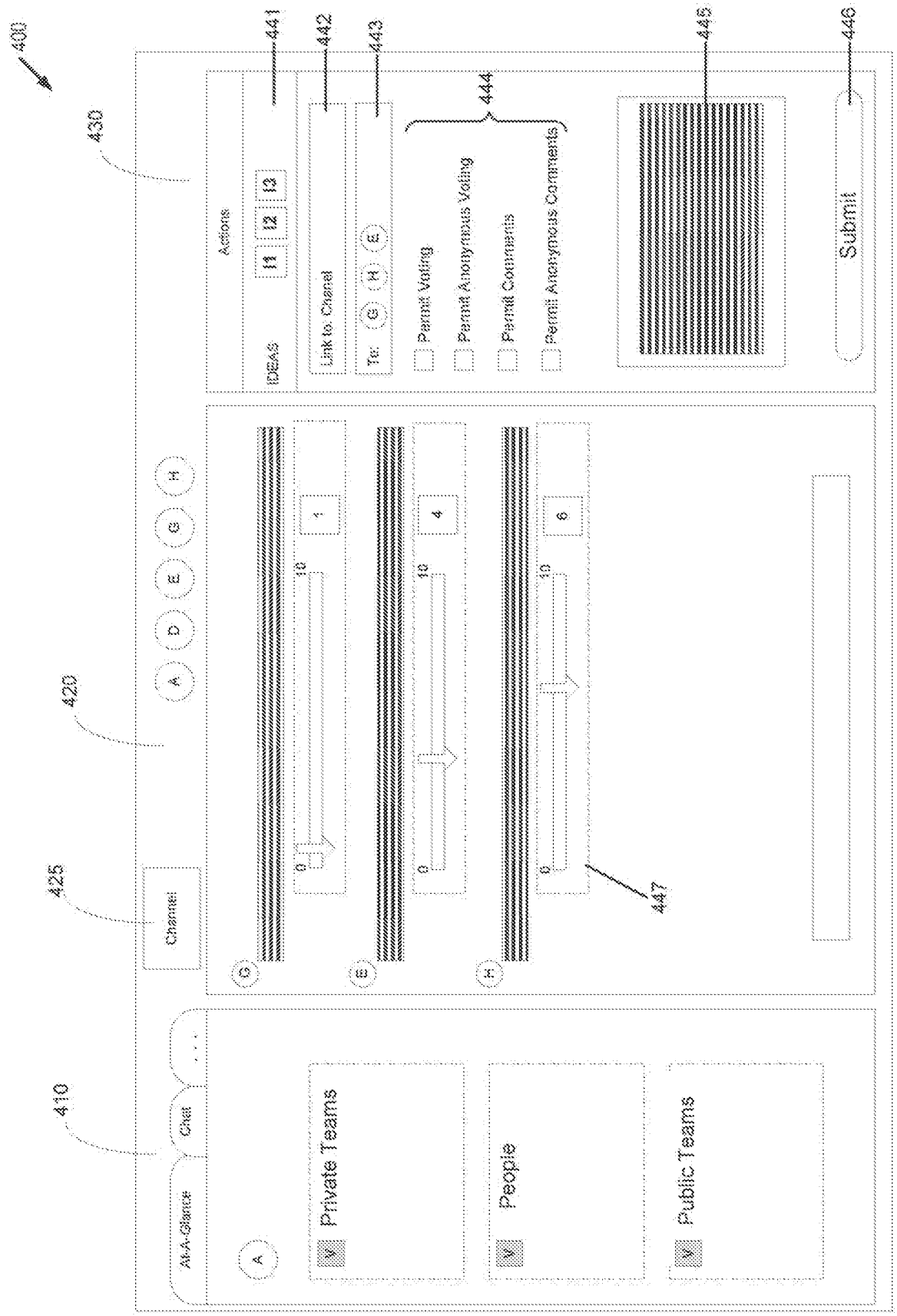

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At-A-Glance
Chat
Private Teams
People
Public Teams
Channel
Actions
IDEAS
Link to Chanel
Permit Voting
Permit Anonymous Voting
Permit Comments
Permit Anonymous Comments
Submit

FIG. 4E

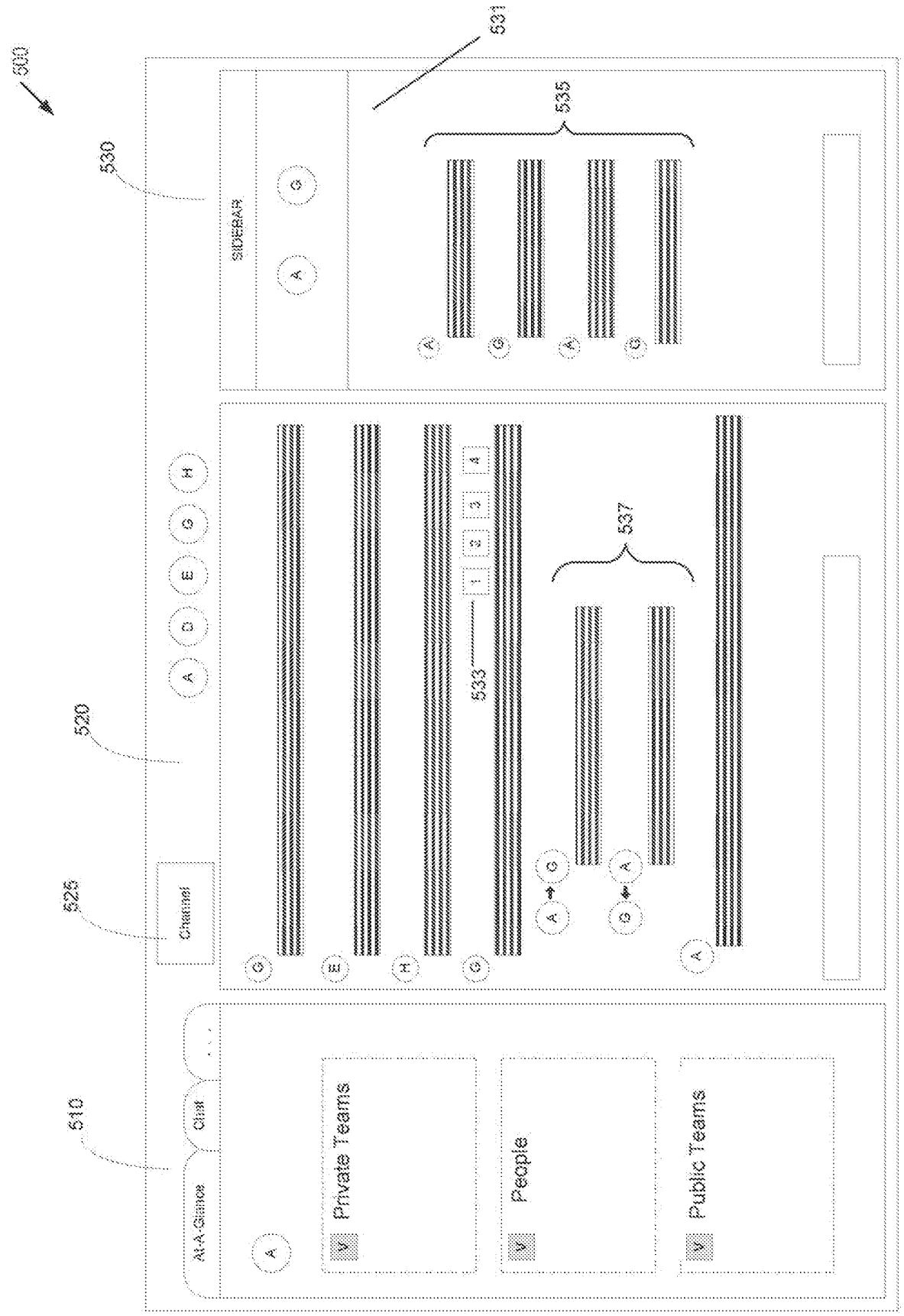

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SIDEBAR
Chats
Private Teams
People
Public Teams

FIG. 5A

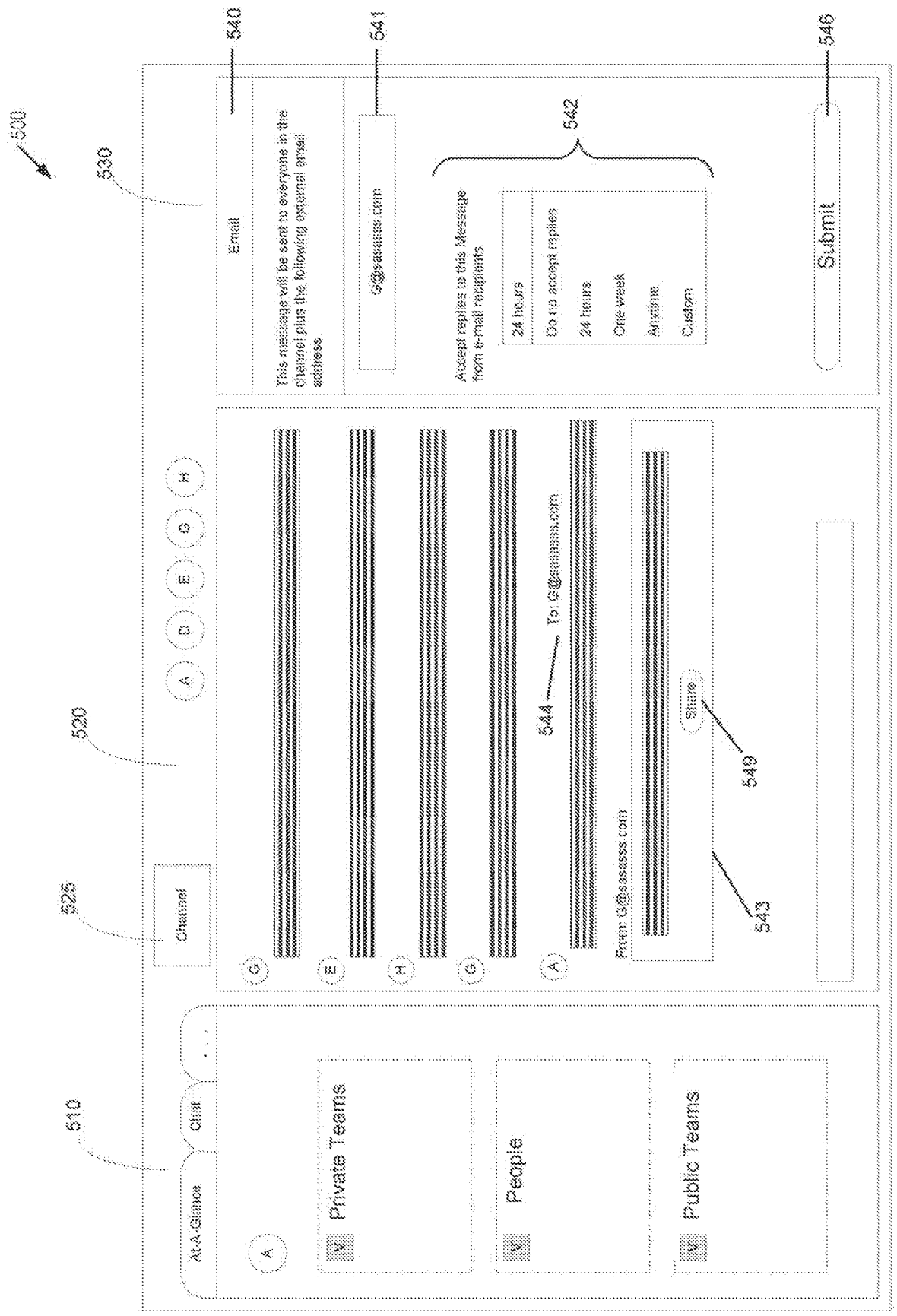

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530
540
541
542
546
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525
510
549
543
544
Email
This message will be sent to everyone in the channel plus the following external email address
G@sassass.com
Accept replies to this Message from e-mail recipients
24 hours
Do no accept replies
24 hours
One week
Anytime
Custom
Submit
Channel
Chat
At-A Glance
Private Teams
People
Public Teams
To: G@sassass.com
From: G@sassass.com
Share

FIG. 5B

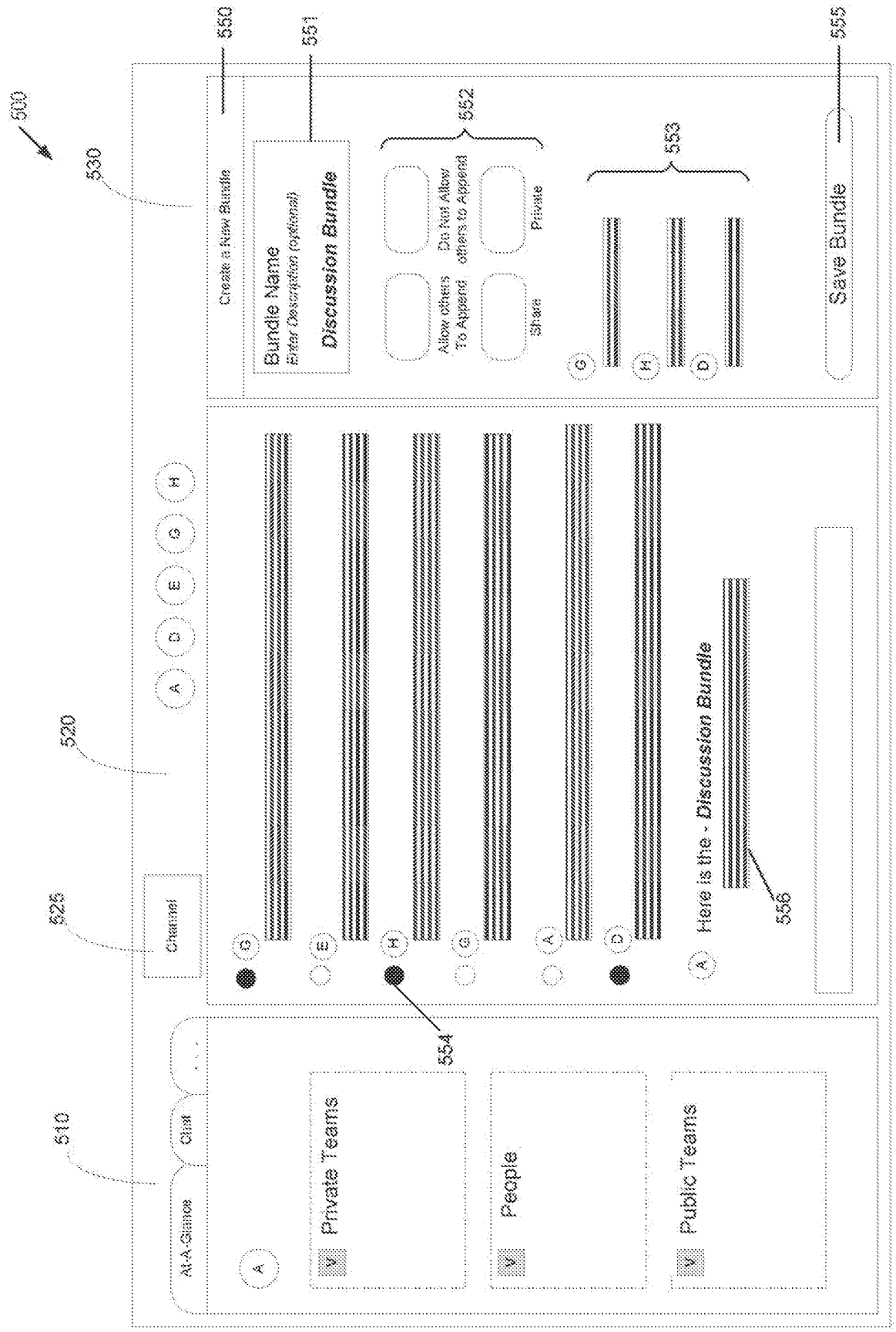

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555
556
At-A Glance
Chat
Channel
Private Teams
People
Public Teams
Create a New Bundle
Bundle Name
Enter Description (optional)
Discussion Bundle
Allow others To Append
Do Not Allow others to Append
Share
Private
Save Bundle
Here is the - Discussion Bundle

FIG. 5C

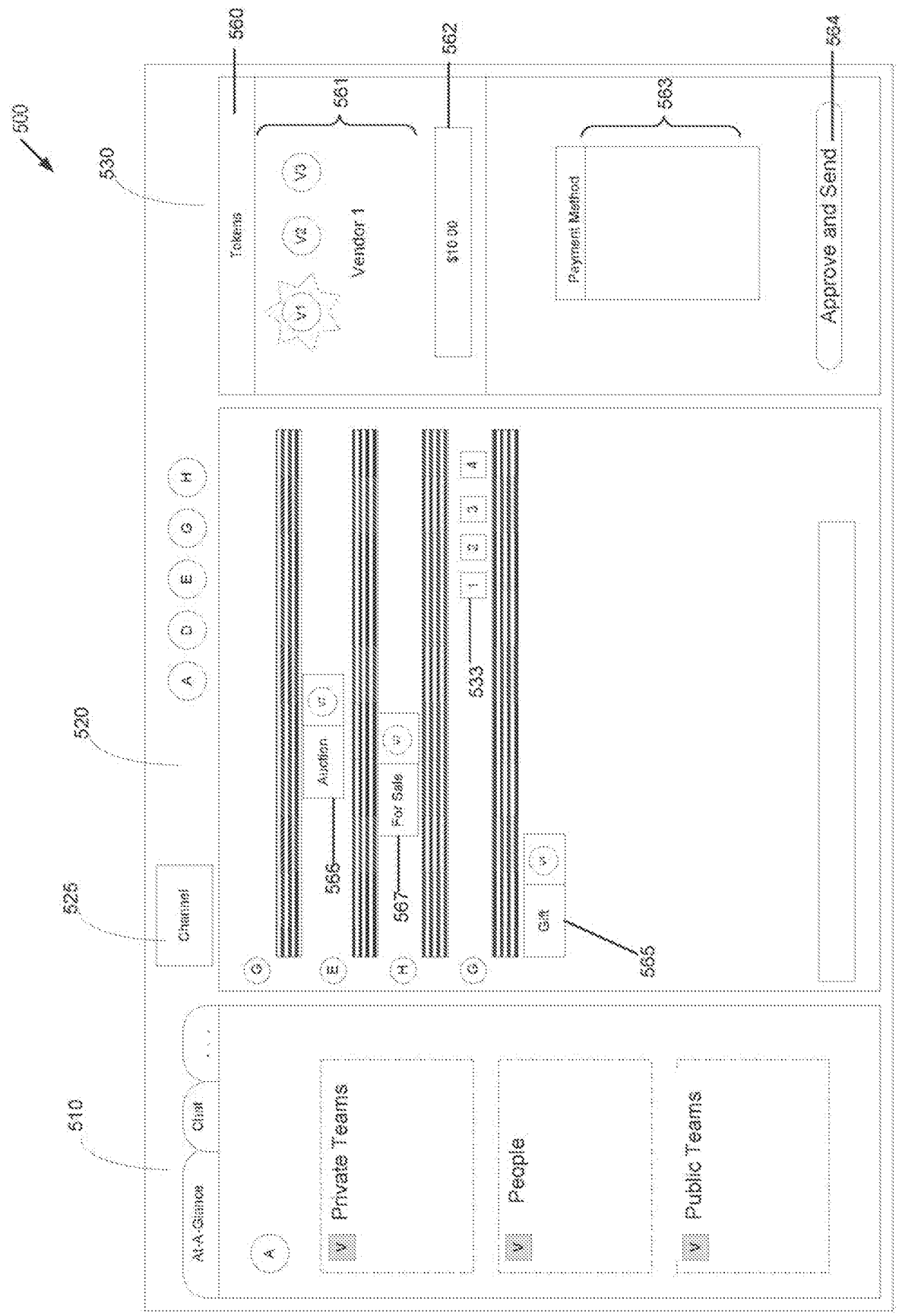

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533
At-A Games
Chat
Channel
Private Teams
People
Public Teams
Tokens
Vendor 1
$10.00
Payment Method
Approve and Send
Auction
For Sale
Gift
A
B
C
D
E
F
G
H
1
2
3
4
V1
V2
V3

FIG. 5D

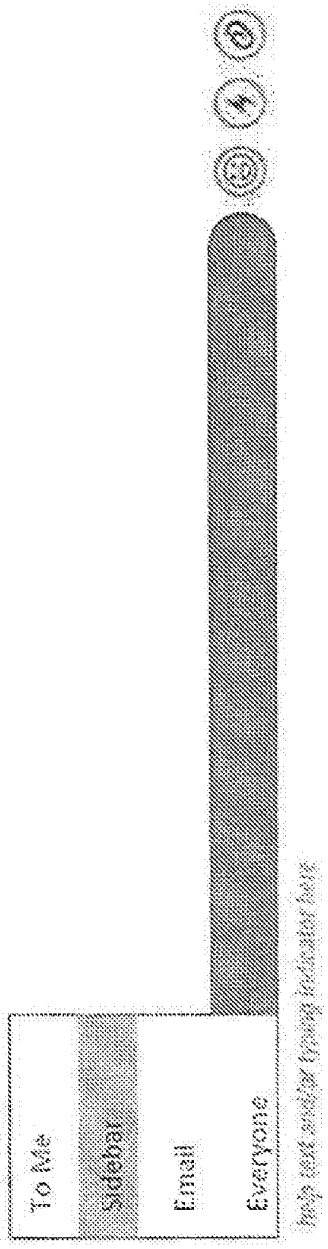



FIG. 5E

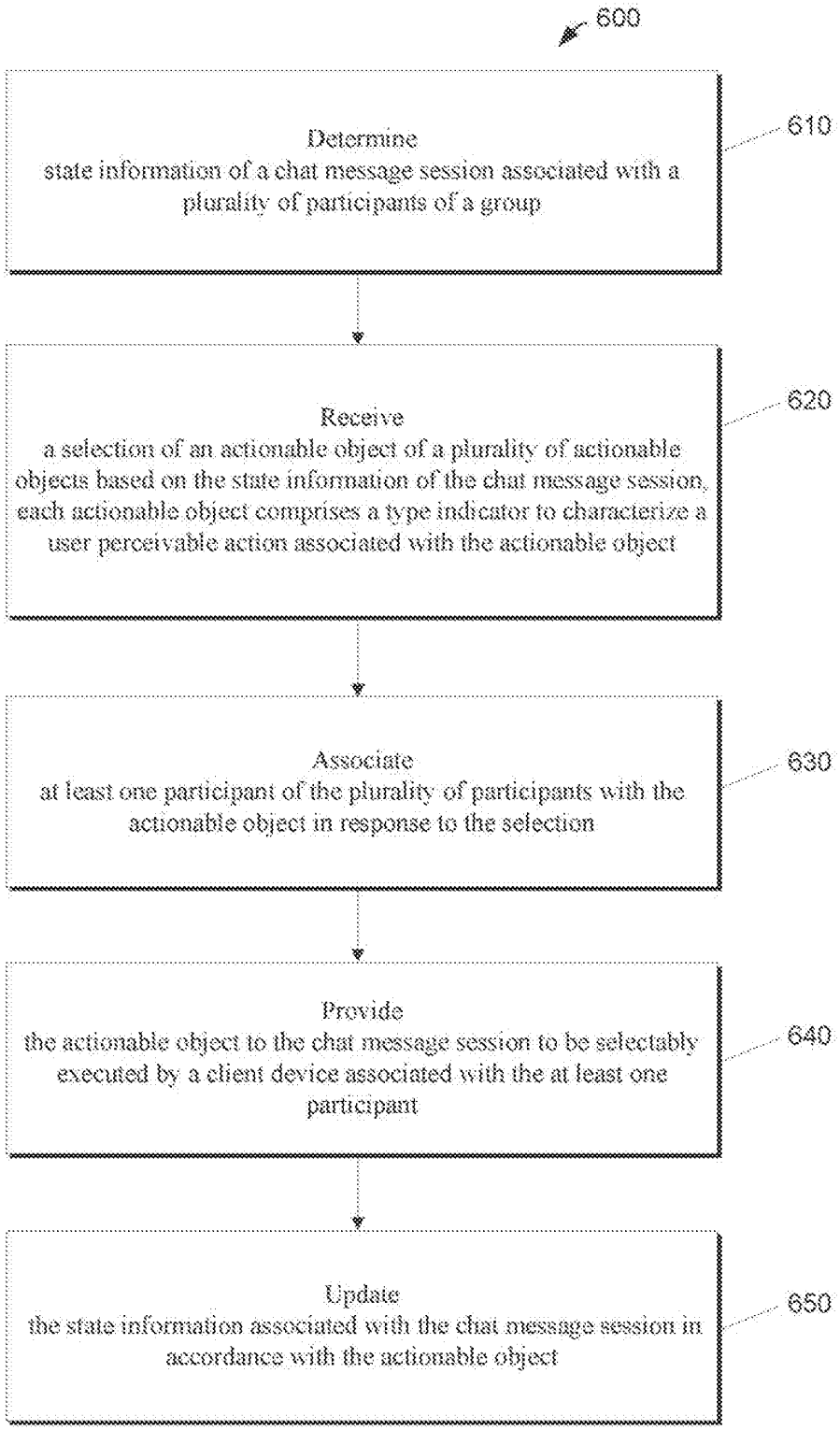

600
Determine
state information of a chat message session associated with a plurality of participants of a group
610
Receive
a selection of an actionable object of a plurality of actionable objects based on the state information of the chat message session, each actionable object comprises a type indicator to characterize a user perceivable action associated with the actionable object
620
Associate
at least one participant of the plurality of participants with the actionable object in response to the selection
630
Provide
the actionable object to the chat message session to be selectably executed by a client device associated with the at least one participant
640
Update
the state information associated with the chat message session in accordance with the actionable object
650

FIG. 6

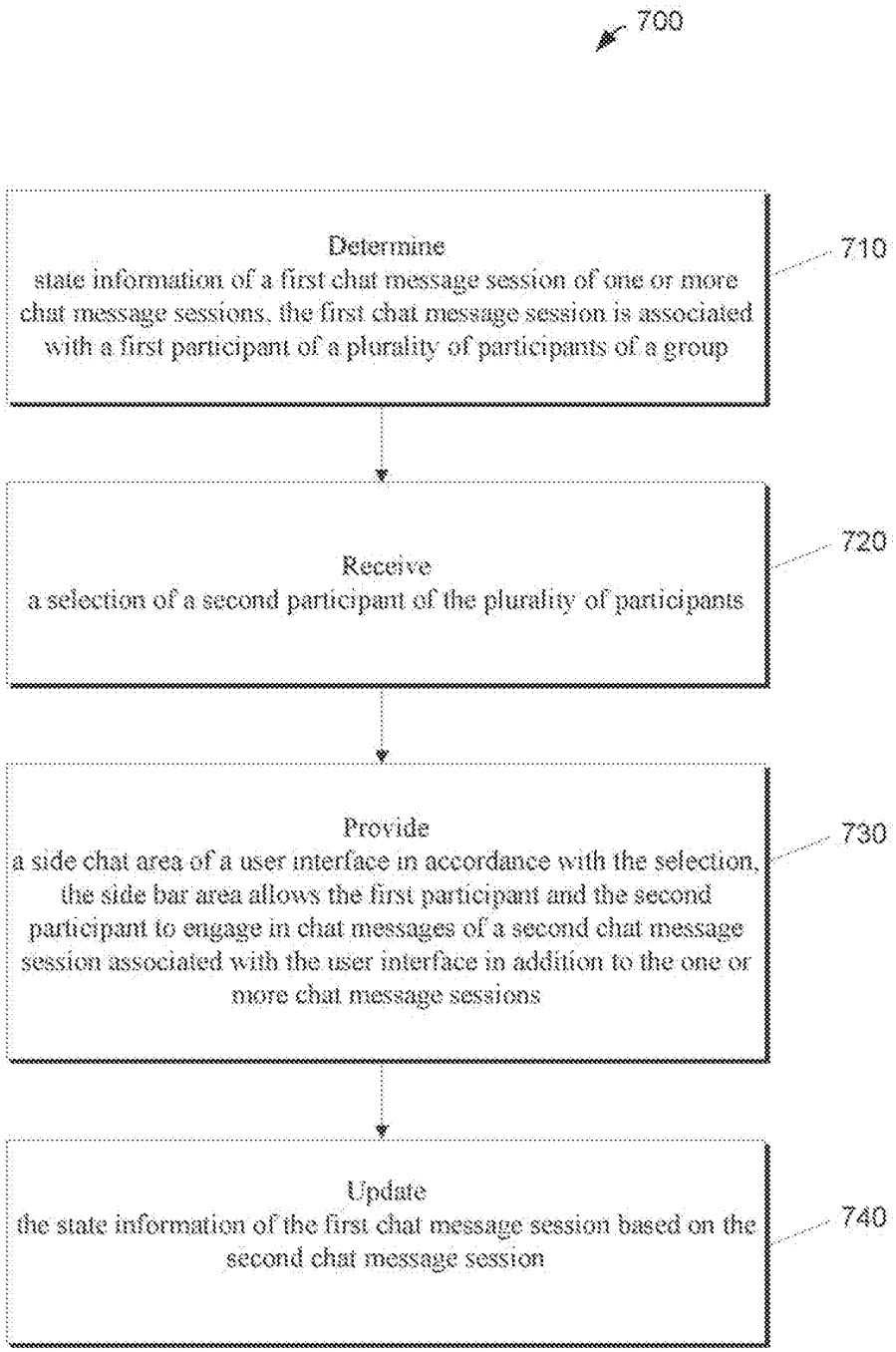

700
Determine
state information of a first chat message session of one or more chat message sessions, the first chat message session is associated with a first participant of a plurality of participants of a group
710
Receive
a selection of a second participant of the plurality of participants
720
Provide
a side chat area of a user interface in accordance with the selection, the side bar area allows the first participant and the second participant to engage in chat messages of a second chat message session associated with the user interface in addition to the one or more chat message sessions
730
Update
the state information of the first chat message session based on the second chat message session
740

FIG. 7

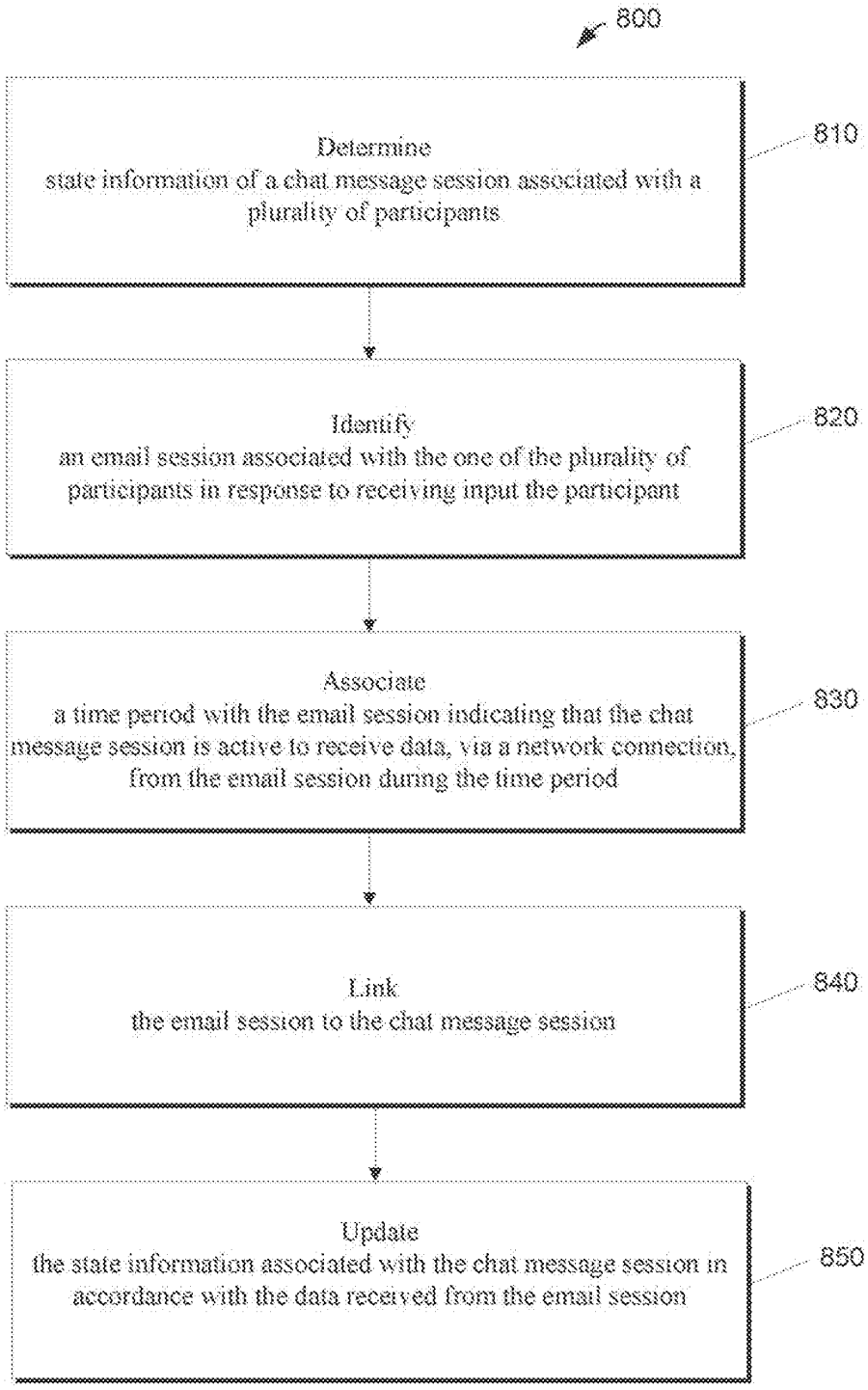

800
Determine
state information of a chat message session associated with a plurality of participants
810
Identify
an email session associated with the one of the plurality of participants in response to receiving input the participant
820
Associate
a time period with the email session indicating that the chat message session is active to receive data, via a network connection, from the email session during the time period
830
Link
the email session to the chat message session
840
Update
the state information associated with the chat message session in accordance with the data received from the email session
850

FIG. 8

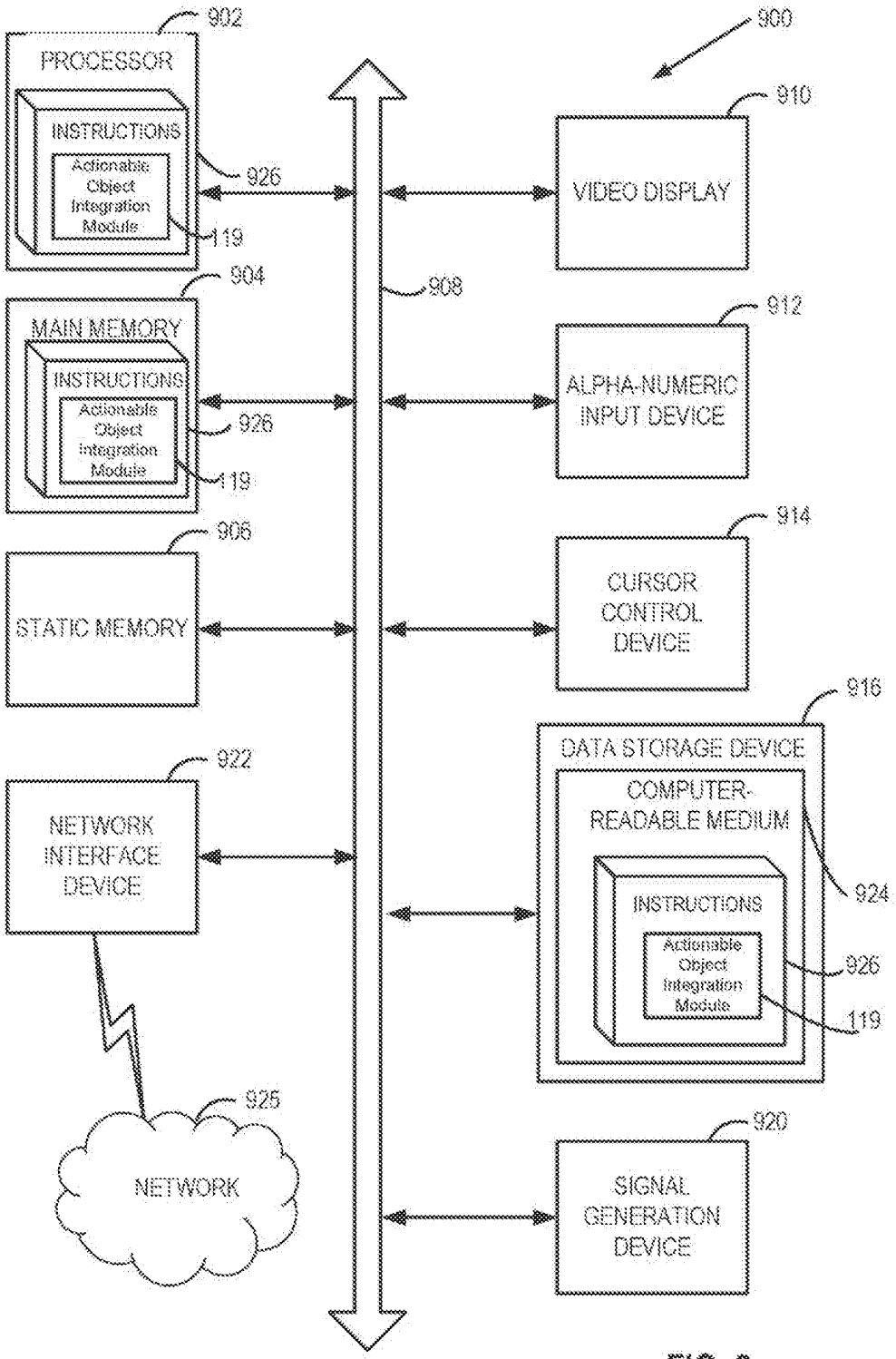

900
902
PROCESSOR
INSTRUCTIONS
Actionable Object Integration Module
926
119
904
MAIN MEMORY
INSTRUCTIONS
Actionable Object Integration Module
926
119
906
STATIC MEMORY
922
NETWORK INTERFACE DEVICE
925
NETWORK
908
910
VIDEO DISPLAY
912
ALPHA-NUMERIC INPUT DEVICE
914
CURSOR CONTROL DEVICE
916
DATA STORAGE DEVICE
COMPUTER-READABLE MEDIUM
924
INSTRUCTIONS
Actionable Object Integration Module
926
119
920
SIGNAL GENERATION DEVICE

FIG. 9

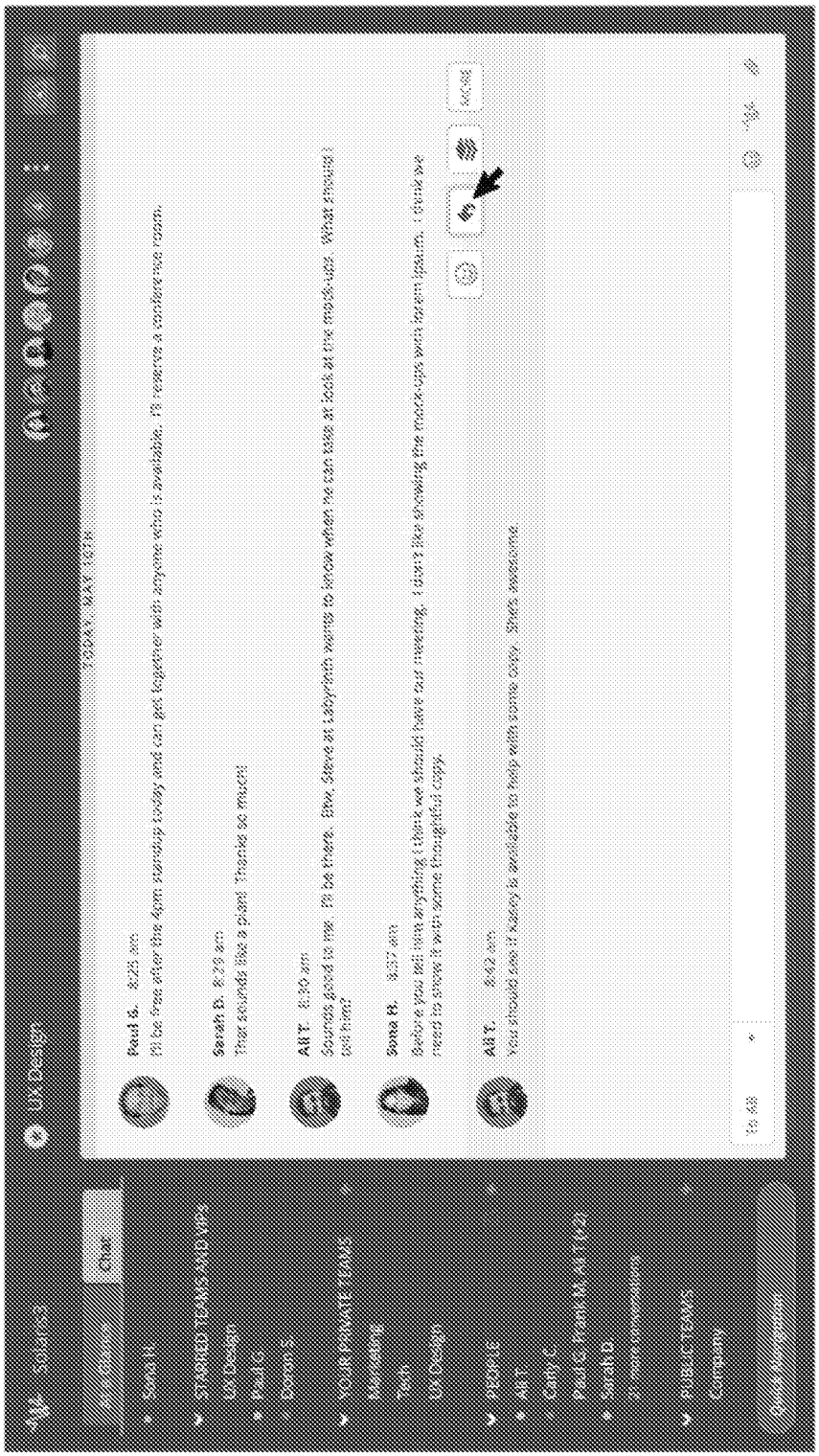

UI Design
Paul S. 8:25 am
Sarah D. 8:26 am
ART 8:30 am
Sona B. 8:37 am
ART 8:42 am

FIG. 10A

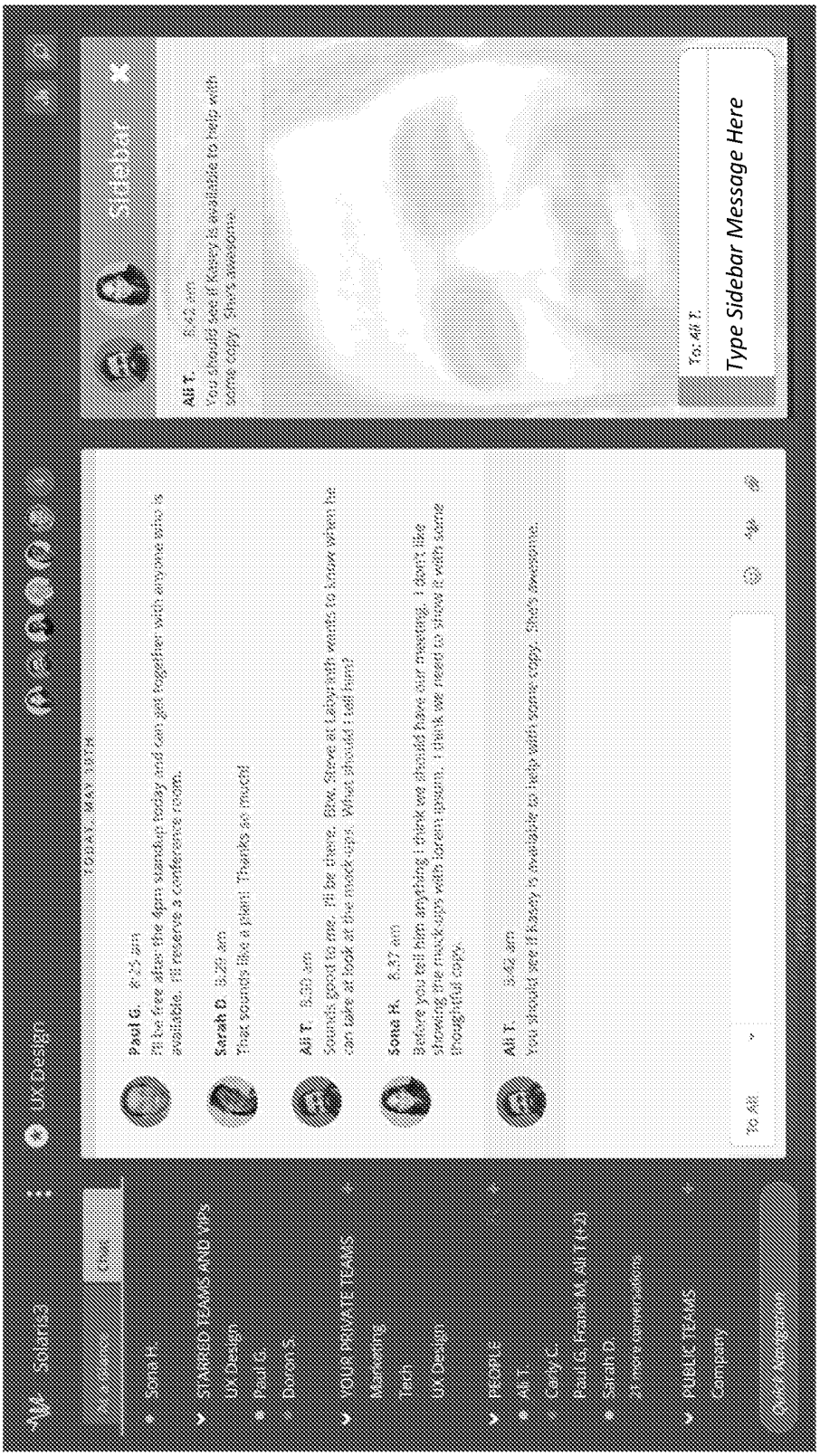



FIG. 10B

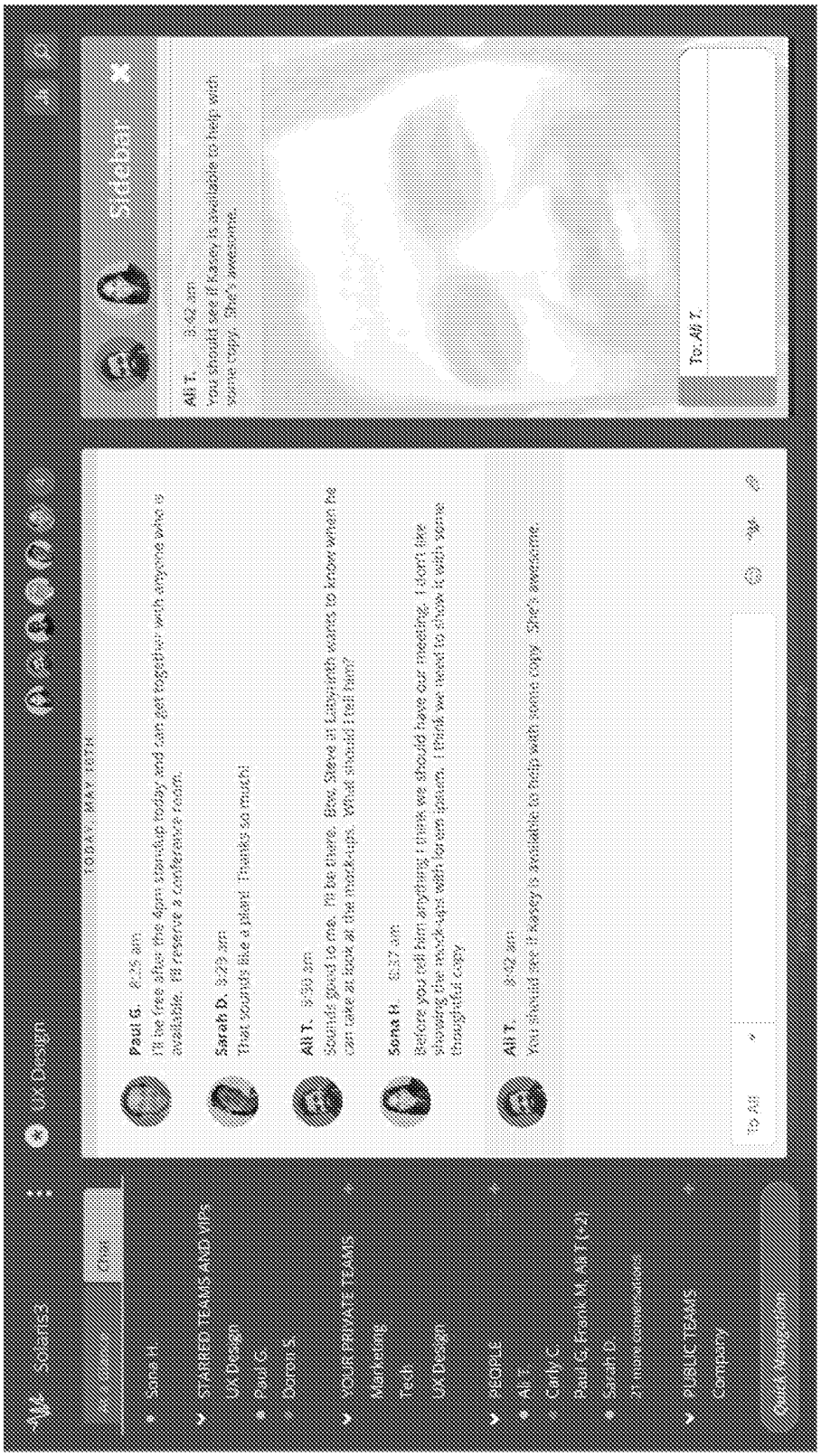

Sidebar
Paul G. 8:26 am
I'll be free after the 4pm standup today and can get together with anyone who is available. I'll reserve a conference room.
Sarah D. 8:29 am
That sounds like a plan! Thanks so much!
Ali T. 8:30 am
Sounds good to me. I'll be there. Btw, Steve in Labyrinth wants to know when he can take a look at the mockups. What should I tell him?
Sara H. 8:37 am
Before you tell him anything, I think we should have our meeting. I don't like showing the mock-ups with lorem ipsum. I think we need to show it with some thoughtful copy.
Ali T. 8:42 am
You should see if Kasey is available to help with some copy. She's awesome.
To: Ali T.

FIG. 10C

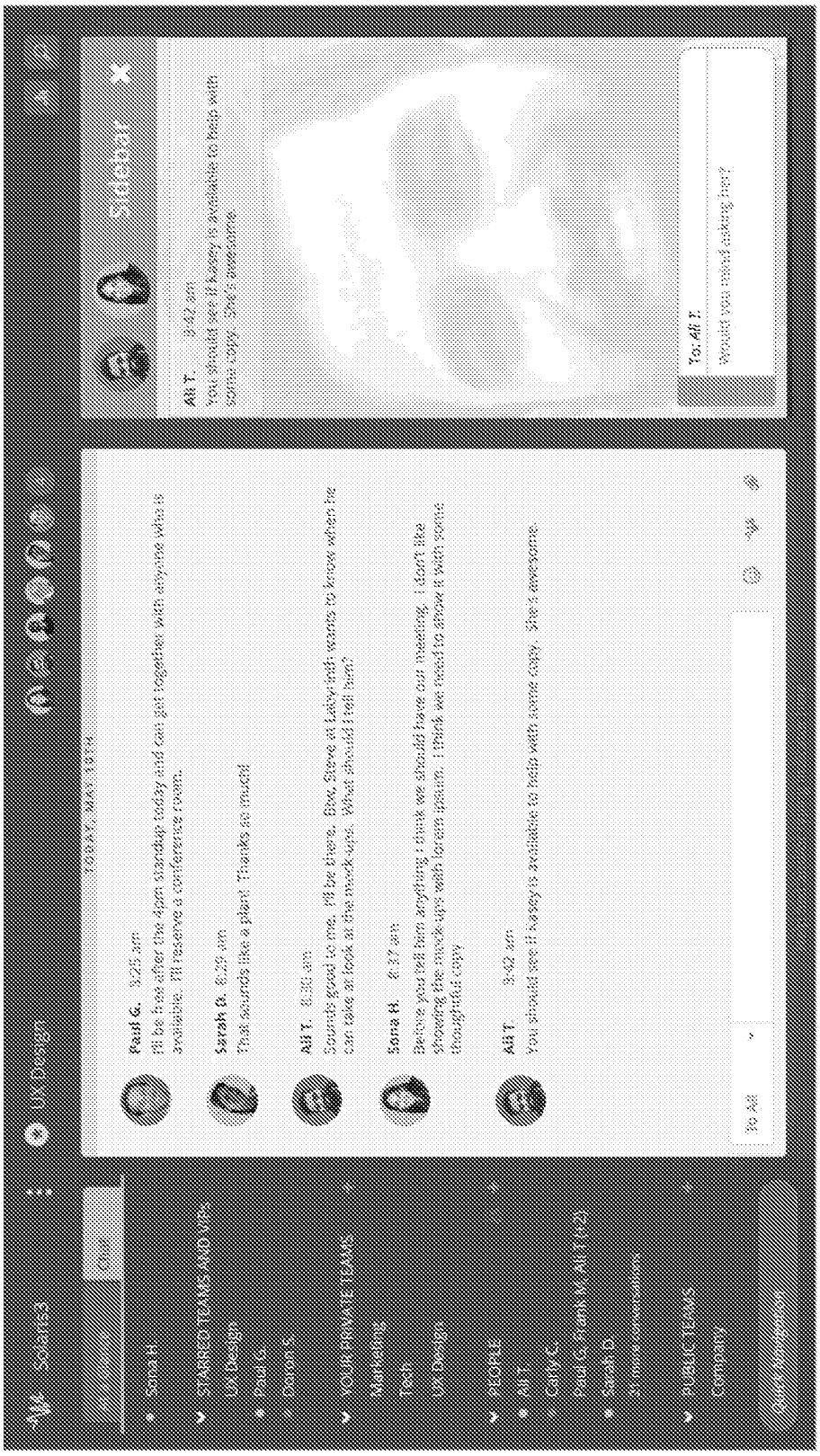

Sidebar
Paul G. 8:25 am
I'll be free after the 4pm standup today and can get together with anyone who is available. I'll reserve a conference room.
Sarah B. 8:26 am
That sounds like a plan! Thanks as much!
Ali T. 8:36 am
Sounds good to me. I'll be there. Btw, Steve or Lacy might want to know when he can take a look at the mock ups. What should I tell him?
Sana H. 8:37 am
Before you tell him anything, I think we should have our meeting. I don't like showing the mock ups with lorem ipsum. I think we need to show it with some thoughtful copy
Ali T. 8:42 am
You should see if kasey is available to help with some copy. She's awesome.
To: Ali T.
Would you mind asking her?

FIG. 10D

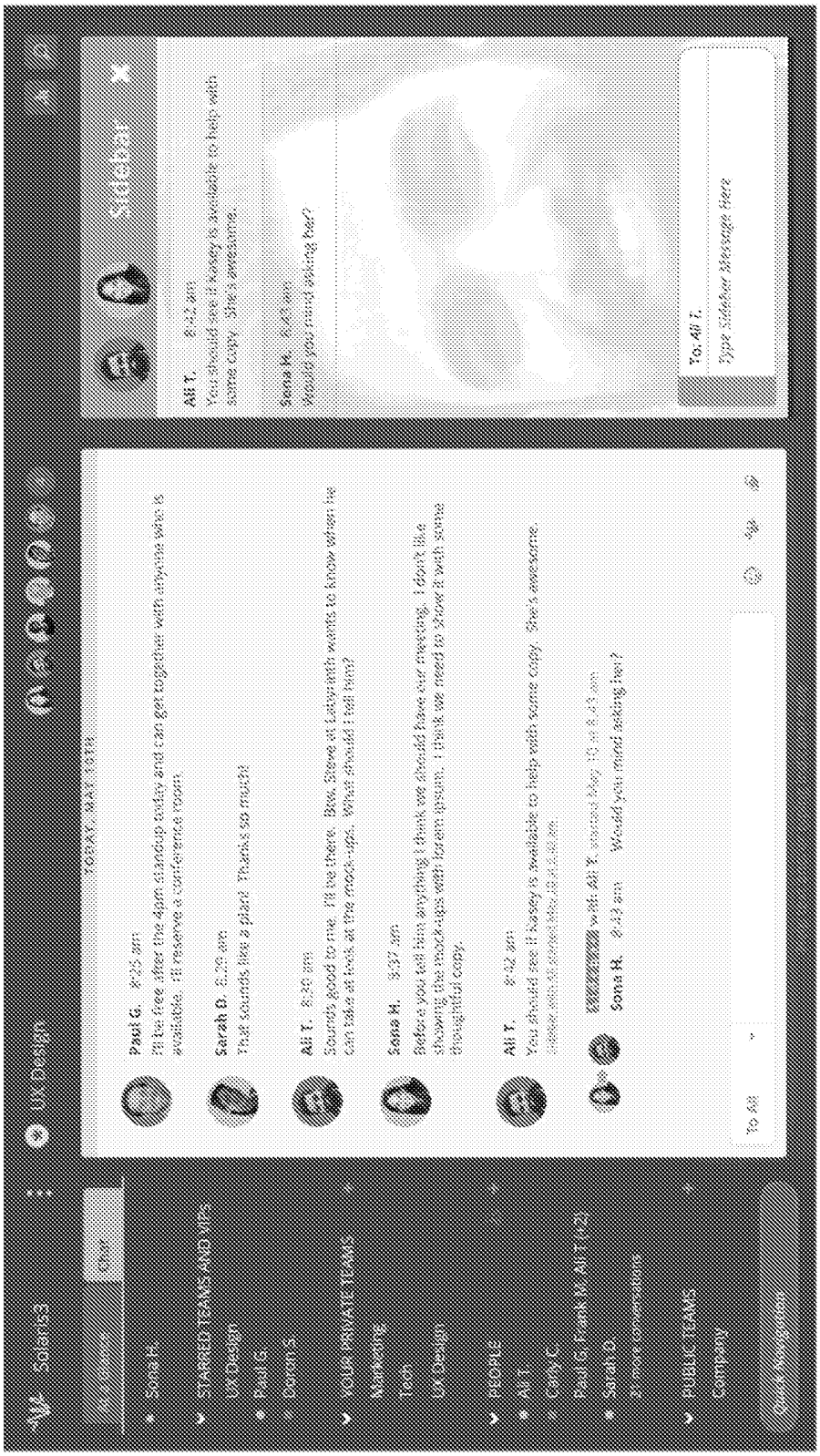

Sidebar
Paul G. 8:25 am
I'll be free after the 4pm standup today and can get together with anyone who is available. I'll reserve a conference room.
Sarah B. 8:29 am
That sounds like a plan! Thanks so much!
Ali T. 8:30 am
Sounds good to me. I'll be there. Btw, Steve at Labyrinth wants to know when he can take at look at the mock-ups. What should I tell him?
Sana H. 8:37 am
Before you tell him anything, I think we should have our meeting. I don't like showing the mock-ups with lorem ipsum. I think we need to show it with some thoughtful copy.
Ali T. 8:42 am
You should see if kasey is available to help with some copy. She's awesome.
Sana H. 8:43 am Would you mind asking her?
To: Ali T.
Type Sidebar Message Here

FIG. 10E

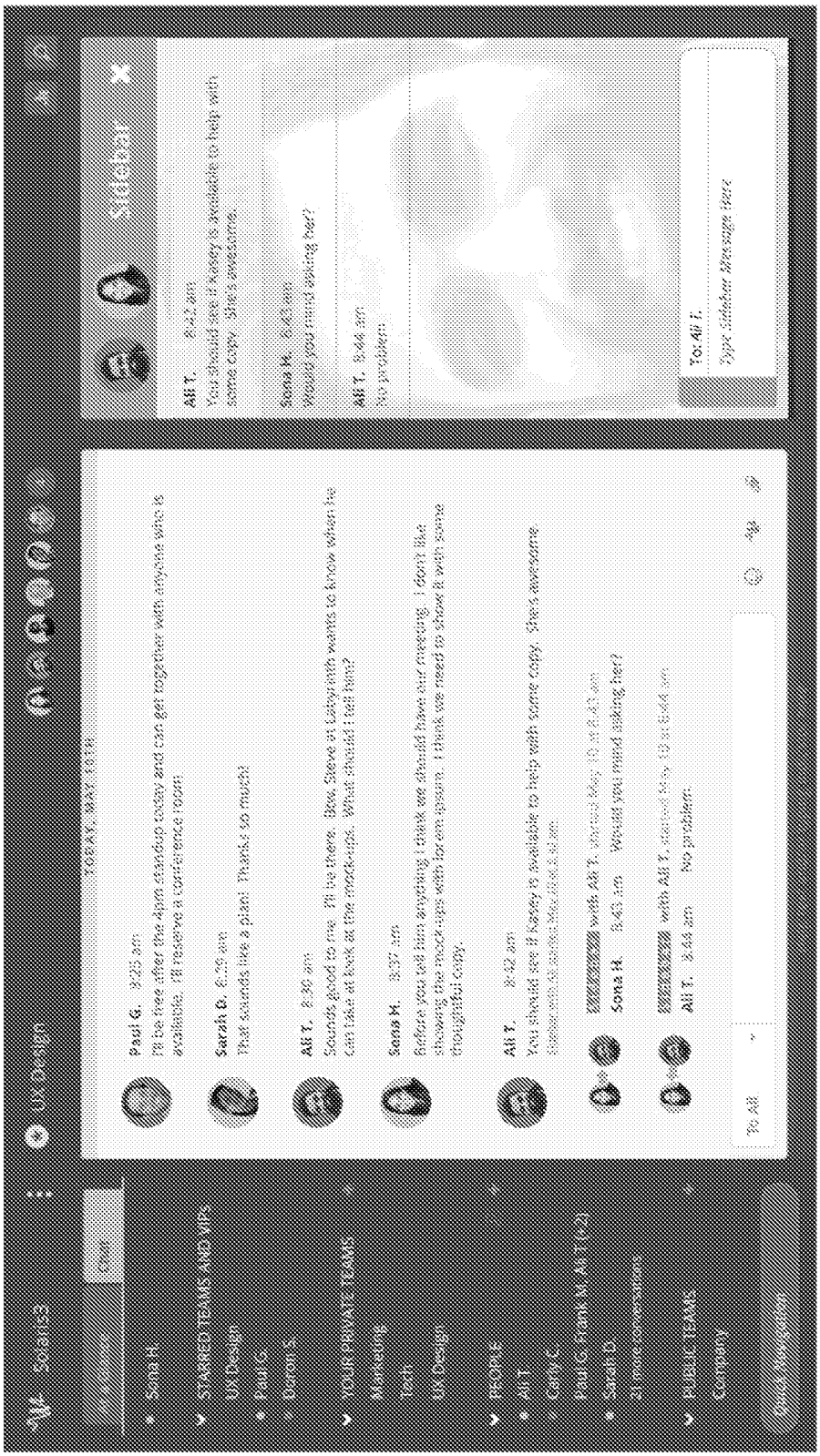

Moderator
Paul G. 9:25 am
I'll be free after the 4pm standup today and can get together with anyone who is available. I'll reserve a conference room.
Sarah B. 8:35 am
That sounds like a plan. Thanks so much!
Ali T. 8:36 am
Sounds good to me. I'll be there. Bex, Steve or Gayanth wants to know when he can take a look at the mock-ups. What should I tell him?
Sona H. 8:37 am
Before you tell him anything, I think we should have our meeting. I don't like showing the mock-ups with lorem ipsum. I think we need to show it with some thoughtful copy.
Ali T. 8:42 am
You should see if Kasey is available to help with some copy. She's awesome
Sona H. 8:43 am Would you mind asking her?
Ali T. 8:44 am No problem.
Ali T. 8:44 am
You should see if Kasey is available to help with some copy. She's awesome.
Sona H. 8:45 am
Would you mind asking her?
Ali T. 8:44 am
No problem.
To: Ali T.
Type Sidebar Message Here

FIG. 10F

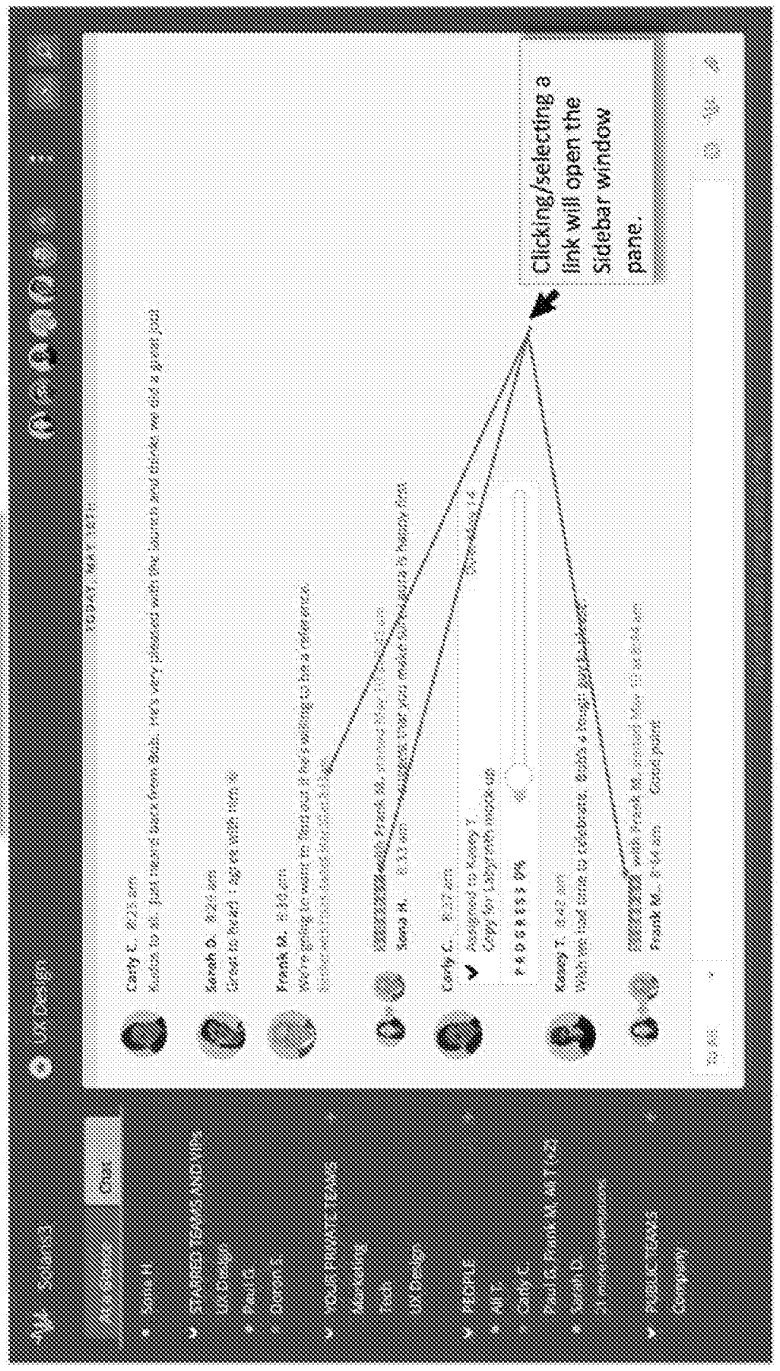

Full screen view
Clicking/selecting a link will open the Sidebar window pane.
63

FIG. 10G

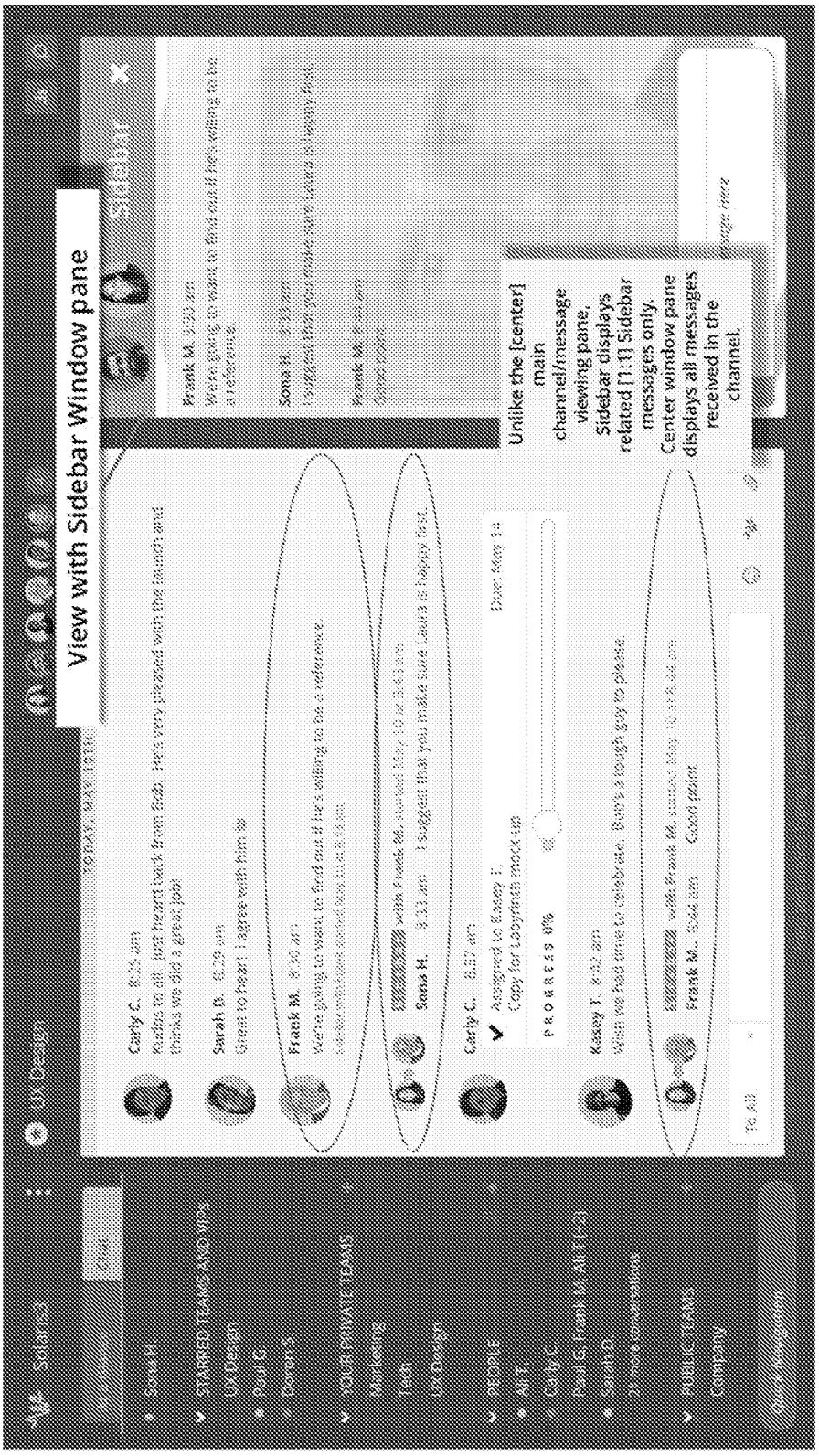

View with Sidebar Window pane
Sidebar
Unlike the [center] main channel/message viewing pane, Sidebar displays related [1:1] Sidebar messages only. Center window pane displays all messages received in the channel.

FIG. 10H

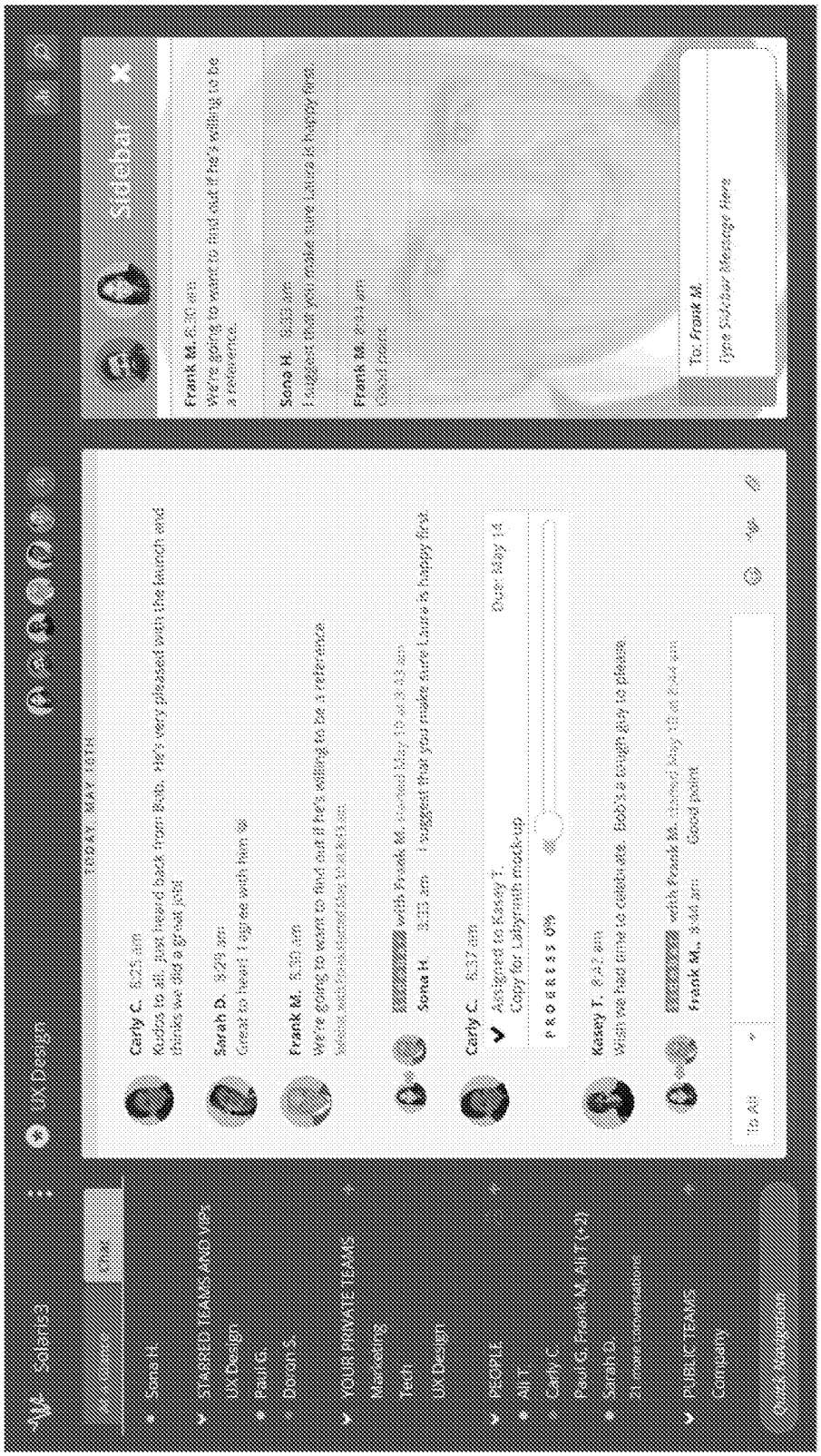

Calendar
UX Design
Sidebar
Carly C. 8:25 am
Kudos to all, just heard back from Bob. He's very pleased with the launch and thinks we did a great job!
Sarah D. 8:29 am
Great to hear! I agree with him 👍
Frank M. 8:30 am
We're going to want to find out if he's willing to be a reference
Sona H. 8:33 am
I suggest that you make sure Laura is happy first.
Assigned to Kasey T.
Copy for Labyrinth mock-up
PROGRESS 0%
Due: May 14
Kasey T. 8:43 am
Wish we had time to celebrate. Bob is a tough guy to please.
Frank M., 8:46 am Good point
Frank M. 8:30 am
We're going to want to find out if he's willing to be a reference
Sona H. 8:33 am
I suggest that you make sure Laura is happy first.
Frank M. 8:34 am
Good point
To: Frank M.
Type Sidebar Message Here

FIG. 10I

## PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 15/609,663

### APPLICATION AS FILED - PART I

| FOR | (Column 1) NUMBER FILED | (Column 2) NUMBER EXTRA | SMALL ENTITY RATE($) | SMALL ENTITY FEE($) | OR | OTHER THAN SMALL ENTITY RATE($) | OTHER THAN SMALL ENTITY FEE($) |
|---|---|---|---|---|---|---|---|
| BASIC FEE (37 CFR 1.16(a), (b), or (c)) | N/A | N/A | N/A | 70 | | N/A | |
| SEARCH FEE (37 CFR 1.16(k), (i), or (m)) | N/A | N/A | N/A | 300 | | N/A | |
| EXAMINATION FEE (37 CFR 1.16(o), (p), or (q)) | N/A | N/A | N/A | 360 | | N/A | |
| TOTAL CLAIMS (37 CFR 1.16(i)) | 18 minus 20 = | * | x 40 = | 0.00 | OR | | |
| INDEPENDENT CLAIMS (37 CFR 1.16(h)) | 2 minus 3 = | * | x 210 = | 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 | 730 | | TOTAL | |

### APPLICATION AS AMENDED - PART II

AMENDMENT A

| | (Column 1) CLAIMS REMAINING AFTER AMENDMENT | | (Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR | (Column 3) PRESENT EXTRA | SMALL ENTITY RATE($) | SMALL ENTITY ADDITIONAL FEE($) | OR | OTHER THAN SMALL ENTITY RATE($) | OTHER THAN SMALL ENTITY ADDITIONAL FEE($) |
|---|---|---|---|---|---|---|---|---|---|
| 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 | |

AMENDMENT B

| | (Column 1) CLAIMS REMAINING AFTER AMENDMENT | | (Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR | (Column 3) PRESENT EXTRA | RATE($) | ADDITIONAL FEE($) | | RATE($) | ADDITIONAL FEE($) |
|---|---|---|---|---|---|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|
| 15/609,663 | 05/31/2017 | 2447 | 730 | W1186/20002 | 18 | 2 |

**CONFIRMATION NO. 9243**

**FILING RECEIPT**

3000
CAESAR RIVISE, PC
7 Penn Center, 12th Floor
1635 Market Street
Philadelphia, PA 19103-2212

OC000000091988489

Date Mailed: 06/12/2017

Receipt is acknowledged of this non-provisional 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 APPLICANT, 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 Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections 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**

**Inventor(s)**

Marc A. COHEN, Blue Bell, PA;
Erik S. KATZ, Sands Point, NY;
Jeffrey A. COHEN, Blue Bell, PA;

**Applicant(s)**

Wrinkl, Inc., Sands Point, NY;

**Power of Attorney:** The patent practitioners associated with Customer Number 03000

**Domestic Priority data as claimed by applicant**

This application is a CON of 15/293,620 10/14/2016
which claims benefit of 62/358,719 07/06/2016
and claims benefit of 62/253,229 11/10/2015

**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.

**If Required, Foreign Filing License Granted:** 06/08/2017

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 15/609,663**

**Projected Publication Date:** 09/21/2017

**Non-Publication Request:** No

**Early Publication Request:** No
** **SMALL ENTITY** **
**Title**

MESSAGING APPARATUS AND METHOD THEREOF

**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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## Title 35, United States Code, Section 184

## Title 37, Code of Federal Regulations, 5.11 & 5.15

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---


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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|---|---|---|---|
| 15/609,663 | 05/31/2017 | Marc A. COHEN | W1186/20002 | 9243 |

3000 7590 06/30/2017

CAESAR RIVISE, PC
7 Penn Center, 12th Floor
1635 Market Street
Philadelphia, PA 19103-2212

| EXAMINER | |
|---|---|
| HWANG, JOON H | |

| ART UNIT | PAPER NUMBER |
|---|---|
| 2447 | |

| NOTIFICATION DATE | DELIVERY MODE |
|---|---|
| 06/30/2017 | 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):

patents@crbcp.com

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United States Patent and Trademark Office
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Alexandria, VA 22313-1450
www.uspto.gov

Doc Code:
TRACK1.GRANT

| ***Decision Granting Request for Prioritized Examination (Track I or After RCE)*** | Application No.: 15/609,663 |
|---|---|

1. THE REQUEST FILED May 31, 2017 IS **GRANTED.**

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

2. **The above-identified application will undergo prioritized examination.** The application will be accorded special status throughout its entire course of prosecution until one of the following occurs:

A. filing a **petition for extension of time** to extend the time period for filing a reply;
B. filing an **amendment to amend the application to contain more than four independent claims, more than thirty total claims**, or a multiple dependent claim;
C. filing a **request for continued examination**;
D. filing a notice of appeal;
E. filing a request for suspension of action;
F. mailing of a notice of allowance;
G. mailing of a final Office action;
H. completion of examination as defined in 37 CFR 41.102; or
I. abandonment of the application.

Telephone inquiries with regard to this decision should be directed to JoAnne Burke at 571-272-4584. In his/her absence, calls may be directed to Brian Brown, 571-272-5338.

/JoAnne Burke/
[*Signature*]

Paralegal Specialist, Office of Petitions
(Title)

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

Office of Petitions: Decision Count Sheet

Mailing Month 6

Application No. 15609663

*15609663*

For US serial numbers: enter number only, no slashes or commas. Ex: 10123456

For PCT: enter "51+single digit of year of filing+last 5 numbers", Ex. for PCT/US05/12345, enter 51512345

Deciding Official: BURKE, JOANNE

***Count (1) - Palm Credit*** 15609663

Decision: GRANT

FINANCE WORK NEEDED

☐ Select Check Box for YES

*GRANT*

Decision Type: 643 - Track One request

*643*

Notes:

***Count (2)***

Decision: n/a

FINANCE WORK NEEDED

☐ Select Check Box for YES

Decision Type: NONE

Notes:

***Count (3)***

Decision: n/a

FINANCE WORK NEEDED

☐ Select Check Box for YES

Decision Type: NONE

Notes:

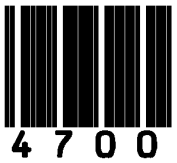
Initials of Approving Official (if required)

If more than 3 decisions, attach 2nd count sheet & mark this box ☐

*Printed on:* *6/26/2017*

Office of Petitions Internal Document - Ver. 5.0

# Office of Petitions: Routing Sheet




**Application No.** 15609663

**This application is being forwarded to your office for further processing. A decision has been rendered on a petition filed in this application, as indicated below. For details of this decision, please see the document PET.OP.DEC filed on the same date as this document.**

- [X] **GRANTED**
- [ ] **DISMISSED**
- [ ] **DENIED**

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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|---|---|---|---|
| 15/609,663 | 05/31/2017 | Marc A. COHEN | W1186/20002 | 9243 |

3000 7590 08/18/2017

CAESAR RIVISE, PC
7 Penn Center, 12th Floor
1635 Market Street
Philadelphia, PA 19103-2212

| EXAMINER | |
|---|---|
| DALENCOURT, YVES | |

| ART UNIT | PAPER NUMBER |
|---|---|
| 2457 | |

| NOTIFICATION DATE | DELIVERY MODE |
|---|---|
| 08/18/2017 | 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):

patents@crbcp.com

| Office Action Summary | Application No. 15/609,663 | Applicant(s) COHEN ET AL. | |
|---|---|---|---|
| | Examiner YVES DALENCOURT | Art Unit 2457 | AIA (First Inventor to File) 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 *05/31/2017*.

☐ 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) *1-18* 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) *1-18* 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 _____ 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 *05/31/2017*.

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

4) ☐ Other: _____.

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

This office action is responsive to communication filed on 05/31/2017.

***Claim Rejections - 35 USC § 103***

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.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied 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.

This application currently names joint inventors. In considering patentability of the claims the examiner presumes that the subject matter of the various claims was commonly owned as of the effective filing date of the claimed invention(s) absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to

point out the inventor and effective filing dates of each claim that was not commonly owned as of the effective filing date of the later invention in order for the examiner to consider the applicability of 35 U.S.C. 102(b)(2)(C) for any potential 35 U.S.C. 102(a)(2) prior art against the later invention.

Claims 1 - 18 are rejected under 35 U.S.C. 103 as being unpatentable over Monica Anderson (US 2017/0163594; hereinafter Anderson) in view of David S. Bill (US 2010/0124322; hereinafter David).

Regarding claim 1, Anderson discloses a method of providing messaging (abstract, said method comprising the steps of:

a) providing display of messages exchanged between a plurality of participants (paragraphs [0005 - 0006], [0008]; *Anderson discloses that each **participant** in a particular chat room sees a message window for that chat room. **Participants'** messages appear in the message window in the order that the messages are posted*);

b) receiving designation of one of said messages as an anchor message (fig.4; paragraphs [0060], [0096 - 0098], ; *Anderson discloses that if a **user** decides to begin tracking the thread at message X, then message X becomes the **anchor message** for the thread of subsequent messages that follow*);

c) permitting a response received to said anchor message from one of said plurality of participants to be provided to all others of said plurality of participants (paragraphs [0006], [0008],[0099]; *Anderson discloses that Feedback meter 1232 indicates a measure of "spam" votes that are **received in response** to the messages authored by the **user***);

d) providing display of said response (paragraphs [0006], [0024], [0099]; *Anderson discloses that the set of meters that are displayed are under the user's control*); and

e) receiving at least a further response to said anchor message from at least one of said plurality of participants (paragraph [0067]; Anderson discloses that the chat system attaches to an incoming message a link to the parent message if the incoming message is a reply to another message).

Anderson discloses all the limitations, but fails to specifically disclose that wherein at least an excluded one of said plurality of participants is prevented from receiving at least said further response.

Bill, in an analogous art, discloses that wherein at least an excluded one of said plurality of participants is prevented from receiving at least said further response (paragraph [0083]; *Bill discloses some conference participants (e.g., a manager) may be allowed to access the piece of content (e.g., a sidebar conversation) while other conference participants are not*).

Thus, it would have been obvious to one of ordinary skill in the art before the effective filing date of the invention to modify the teaching of Anderson by providing that at least an excluded one of said plurality of participants is prevented from receiving at least said further response as evidenced by Bill for the purpose of ensuring that only a particular group of participants are accessing the sidebar conversation, thereby providing an enhanced on-line chat communication environment.

Regarding claim 2, Anderson and Bill disclose a method according to claim 1, wherein said anchor message and said response received to said anchor message are

simultaneously displayed (Anderson: figs. 10 – 12; paragraphs [0005 - 0006], [0060], [0095 – 0099]).

Regarding claim 3, Anderson and Bill disclose a method according to claim 1, further comprising the step of simultaneously displaying said response and at least said further response (Anderson: figs. 10 – 12; paragraphs [0005 - 0006], [0060], [0095 – 0099]).

Regarding claim 4, Anderson and Bill disclose a method according to claim 1, wherein step c) includes the step of permitting all of said plurality of participants to exchange messages with each other (Anderson: figs. 10 – 12; paragraphs [0006]).

Regarding claim 5, Anderson and Bill disclose a method according to claim 1, wherein said messages exchanged with all of said plurality of participants are displayed below each other as said messages are received (Anderson: figs. 10 – 12; paragraphs [0006]; *Anderson discloses that in a chat client, the newest messages are displayed either at the top or bottom of the message window*).

Regarding claim 6, Anderson and Bill disclose a method according to claim 1, wherein step e) includes the step of exchanging a plurality of further messages between said plurality of participants except for said excluded one of said plurality of participants (Bill: paragraph [0083]; *Bill discloses some conference **participants** (e.g., a manager) may be allowed to access the piece of content (e.g., a **sidebar conversation**) while other conference **participants** are not*). Same motivation as in claim 1.

Regarding claim 7, Anderson and Bill disclose a method according to claim 5, wherein step e) includes the step of exchanging a plurality of further messages between

said plurality of participants except for said excluded one of said plurality of participants (Bill: paragraph [0083]; *Bill discloses some conference **participants** (e.g., a manager) may be allowed to access the piece of content (e.g., a **sidebar conversation**) while other conference **participants** are not*). Same motivation as in claim 1.

Regarding claim 8, Anderson and Bill disclose a method according to claim 6, wherein the plurality of further messages are displayed below each other as said further messages are received (Anderson: figs. 10 – 12; paragraphs [0006]; *Anderson discloses that in a chat client, the newest messages are displayed either at the top or bottom of the message window*).

Regarding claim 9, Anderson and Bill disclose a method according to claim 7, wherein the plurality of further messages are displayed below each other as said further messages are received (Anderson: figs. 10 – 12; paragraphs [0006]; *Anderson discloses that in a chat client, the newest messages are displayed either at the top or bottom of the message window*).

Claims 10 - 18 incorporate substantively all the limitations of claim 1 - 9 in apparatus form, rather than method form. The reasons for rejected claims 1 - 9 apply in claims 10 – 18. Therefore, claims 10 – 18 are rejected for the same reasons.

## ***Conclusion***

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

Arthurs et al (US 2011/0047227) discloses a message-service audience response.

**Contact Information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to YVES DALENCOURT whose telephone number is (571)272-3998. The examiner can normally be reached on M-F 8-5:30.

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

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

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

/YVES DALENCOURT/
Primary Examiner, Art Unit 2457

| Notice of References Cited | Application/Control No. 15/609,663 | Applicant(s)/Patent Under Reexamination COHEN ET AL. | |
|---|---|---|---|
| | Examiner YVES DALENCOURT | Art Unit 2457 | 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-2011/0047227 A1 | 02-2011 | Arthurs; Dave W. | G06Q10/107 | 709/206 |
| * | B | US-2016/0330147 A1 | 11-2016 | Antebi; Oudi | H04L51/046 | 1/1 |
| * | C | US-2017/0163594 A1 | 06-2017 | Anderson; Monica | H04L51/34 | 1/1 |
| | D | US- | | | | |
| | E | US- | | | | |
| | F | US- | | | | |
| | G | US- | | | | |
| | H | US- | | | | |
| | I | US- | | | | |
| | J | US- | | | | |
| | K | US- | | | | |
| | L | US- | | | | |
| | M | US- | | | | |

**FOREIGN PATENT DOCUMENTS**

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Country | Name | CPC Classification |
|---|---|---|---|---|---|---|
| | N | | | | | |
| | O | | | | | |
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**NON-PATENT DOCUMENTS**

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

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

| Index of Claims | Application/Control No. | Applicant(s)/Patent Under Reexamination |
|---|---|---|
| | 15609663 | COHEN ET AL. |
| | **Examiner** | **Art Unit** |
| | YVES DALENCOURT | 2457 |

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

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

| CLAIM | | DATE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Final | Original | 07/30/2017 | | | | | | | | |
| | 1 | ✓ | | | | | | | | |
| | 2 | ✓ | | | | | | | | |
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| | 4 | ✓ | | | | | | | | |
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| | 16 | ✓ | | | | | | | | |
| | 17 | ✓ | | | | | | | | |
| | 18 | ✓ | | | | | | | | |

| Search Notes | Application/Control No. | Applicant(s)/Patent Under Reexamination |
|---|---|---|
| | 15609663 | COHEN ET AL. |
| | Examiner | Art Unit |
| | YVES DALENCOURT | 2457 |

| CPC- SEARCHED | | |
|---|---|---|
| Symbol | Date | Examiner |
| H04L51/12, H04L51/16 | 07/27/2017 | YD |

| CPC COMBINATION SETS - SEARCHED | | |
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| 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 |
| WEST/CPC (text search) | 07/27/2017 | YD |

| INTERFERENCE SEARCH | | | |
|---|---|---|---|
| US Class/ CPC Symbol | US Subclass / CPC Group | Date | Examiner |
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Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (03-15)
Approved for use through 07/31/2016. OMB 0651-0031
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| **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** ( **Not for submission under 37 CFR 1.99**) | | |
|---|---|---|
| | Application Number | 15/609663 |
| | Filing Date | 2017-05-31 |
| | First Named Inventor | Marc A. COHEN |
| | Art Unit | 2457 |
| | Examiner Name | Yves Dalencourt |
| | Attorney Docket Number | W1186/20002 |

**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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|---|---|---|---|---|---|---|
| | 1 | 20020095465 | A1 | 2002-07-18 | BANKS et al. | |
| | 2 | 20070185961 | A1 | 2007-08-09 | PERLOW et al. | |
| | 3 | 20140219433 | A1 | 2014-08-07 | PAI et al. | |

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

| INFORMATION DISCLOSURE STATEMENT BY APPLICANT ( Not for submission under 37 CFR 1.99) | | |
|---|---|---|
| | Application Number | |
| | Filing Date | 2017-05-31 |
| | First Named Inventor | Marc A. COHEN |
| | Art Unit | |
| | Examiner Name | |
| | Attorney Docket Number | W1186/20002 |

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| Examiner Initials* | Cite No | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published. | T[5] |
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| EXAMINER SIGNATURE | | | |
|---|---|---|---|
| Examiner Signature | /YVES DALENCOURT/ | Date Considered | 07/30/2017 |

*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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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT ( Not for submission under 37 CFR 1.99) | | |
|---|---|---|
| | Application Number | 15/609,663 |
| | Filing Date | 2017-05-31 |
| | First Named Inventor | Marc A. COHEN |
| | Art Unit | 2457 |
| | Examiner Name | Yves Dalencourt |
| | Attorney Docket Number | W1186/20002 |

**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 | /lawrence e ashery/ | Date (YYYY-MM-DD) | 2017-05-31 |
|---|---|---|---|
| Name/Print | Lawrence E. Ashery | Registration Number | 34515 |

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



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

## Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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



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

# WEST Search History for Application 15609663

## Creation Date: 2017073022:15

## Prior Art Searches

| Query | DB | Hits | Op. | Plur. | Thes. | Date |
|---|---|---|---|---|---|---|
| **20020095465** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 07-30-2017 |
| **20070185961** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 07-30-2017 |
| **20140219433** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 07-30-2017 |
| **displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 785 | OR | YES | | 07-30-2017 |
| **(displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 ) and exchang$3 adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 175 | OR | YES | | 07-30-2017 |
| **(prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 74 | OR | YES | | 07-30-2017 |
| | | 0 | OR | YES | | 07-30-2017 |

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|---|---|---|---|---|---|---|
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **anchor near message$1 and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **anchor near message$1 and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **anchor near message$1 and (online or internet or social near media) adj7 participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **anchor near message$1 and chat near session$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 33 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and chat near session$1 ) and (prevent$3 or restrict$3 or block$3)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 33 | OR | YES | | 07-30-2017 |
| **displ$3 adj7 anchor near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 47 | OR | YES | | 07-30-2017 |
| **(displ$3 adj7 anchor near message$1 ) and ((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 )** | PGPB, USPT, EPAB, JPAB, | 0 | OR | YES | | 07-30-2017 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(displ$3 adj7 anchor near message$1 ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and anchor near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and first near thread$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and thread$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 29 | OR | YES | | 07-30-2017 |
| **(((H04L51/12))).cpc.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 7555 | OR | YES | | 07-30-2017 |
| **(((H04L51/16))).cpc.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2836 | OR | YES | | 07-30-2017 |
| **20140059586** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 07-30-2017 |
| **20140172427** | | 3 | OR | YES | | 07-30-2017 |

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|---|---|---|---|---|---|---|
| | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(20140172427 ) and displ$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(20140172427 ) and displ$3 adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(20140172427 ) and displ$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 07-30-2017 |
| **anchor near message$1 near response$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 43 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 near response$1 ) and 13** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 38 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 near response$1 and 13 ) and participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 near response$1 and 13 ) and (participant$1 or user$1 or client$1 or device$1)** | PGPB, USPT, EPAB, JPAB, | 33 | OR | YES | | 07-30-2017 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **exclud$3 near4 (participant$1 or user$1 or client$1 or device$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 52129 | OR | YES | | 07-30-2017 |
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) ) and (anchor near message$1 near response$1 and 13 and (participant$1 or user$1 or client$1 or device$1) )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 near response$1 and 13 and (participant$1 or user$1 or client$1 or device$1) ) and provid$3 near3 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 7 | OR | YES | | 07-30-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 and thread$1 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 26 | OR | YES | | 07-30-2017 |
| **(20140219433 ) and displ$5 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(20140219433 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 07-30-2017 |
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 35 | OR | YES | | 07-30-2017 |
| | | 8 | OR | YES | | 07-30-2017 |

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|---|---|---|---|---|---|---|
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) and displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 ) and (anchor near message$1 or thread$3)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) ) and displ$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 33 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 ) and response$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 33 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 ) and participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 33 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and exchang$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and exchang$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and communicat$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 33 | OR | YES | | 07-30-2017 |
| **chat near room near communication$1** | PGPB, USPT, EPAB, JPAB, | 402 | OR | YES | | 07-30-2017 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(chat near room near communication$1 ) and ((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 07-30-2017 |
| **(chat near room near communication$1 ) and displ$3 adj7 (thread or anchor) adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(chat near room near communication$1 ) and displ$3 adj7 (message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 44 | OR | YES | | 07-30-2017 |
| **(chat near room near communication$1 ) and displ$3 adj7 (message$1 and response$1) adj7 simultaneous$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(displ$3 or output$3) adj7 (anchor near message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 572 | OR | YES | | 07-30-2017 |
| **((anchor near message$1 and response$1) ) and (chat near room near communication$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| | | 113 | OR | YES | | 07-30-2017 |

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|---|---|---|---|---|---|---|
| **exchang$3 near message$1 and (chat near room near communication$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(exchang$3 near message$1 and chat near room near communication$1 ) chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 14893 | OR | YES | | 07-30-2017 |
| **(exchang$3 near message$1 and chat near room near communication$1 ) and chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 113 | OR | YES | | 07-30-2017 |
| **(exchang$3 near message$1 and chat near room near communication$1 and chat near room ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 8 | OR | YES | | 07-30-2017 |

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**
**PATENT EXAMINING OPERATION**

First Named Inventor: Marc A. COHEN

Serial No: 15/609,663 Group Art Unit: 2457

Filed: May 31, 2017 Examiner: Yves Dalencourt

Att. Docket No.: W1186/20002 Confirmation No.: 9243

For: MESSAGING APPARATUS AND METHOD THEREOF

**AMENDMENT**

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

Commissioner:

**INTRODUCTORY COMMENTS**

In response to the Office Action dated August 18, 2017, please amend the above identified application as follows:

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

Remarks/Arguments begin on page 5 of this paper.

**CERTIFICATE OF MAILING/TRANSMISSION PURSUANT TO 37 CFR 1.8**
I hereby certify that this correspondence and any attachments referenced therein is/are being mailed/transmitted to the USPTO by: (A) first class U.S. mail with sufficient postage (37 CFR § 1.1(a)); (B) facsimile (37 CFR § 1.6 (d)); or (C) EFS-Web (37 CFR § 1.6(a)(4)) on the date shown below.

Date: 8/31/2017 Signature: /lawrence e ashery/

Name: Lawrence E. Ashery

## AMENDMENTS TO THE CLAIMS

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

**Listing of Claims:**

1. (Currently Amended) A method of providing messaging, said method comprising the steps of:

a) providing display of messages exchanged between a plurality of participants, wherein said messages are displayed to each of said plurality of participants;

b) receiving designation of one of said messages displayed to each of said plurality of participants as an anchor message;

c) permitting a response received to said anchor message from one of said plurality of participants to be provided to and displayed by all others of said plurality of participants; ~~providing display of said response;~~ and

d) receiving at least a further response to said anchor message from at least one of said plurality of participants, wherein at least an excluded one of said plurality of participants is prevented from receiving and displaying at least said further response.

2. (Original) A method according to claim 1, wherein said anchor message and said response received to said anchor message are simultaneously displayed.

3. (Original) A method according to claim 1, further comprising the step of simultaneously displaying said response and at least said further response.

4. (Original) A method according to claim 1, wherein step c) includes the step of permitting all of said plurality of participants to exchange messages with each other.

5. (Original) A method according to claim 1, wherein said messages exchanged with all of said plurality of participants are displayed below each other as said messages are received.

6. (Original) A method according to claim 1, wherein step e) includes the step of exchanging a plurality of further messages between said plurality of participants except for said excluded one of said plurality of participants.

7. (Original) A method according to claim 5, wherein step e) includes the step of exchanging a plurality of further messages between said plurality of participants except for said excluded one of said plurality of participants.

8. (Original) A method according to claim 6, wherein the plurality of further messages are displayed below each other as said further messages are received.

9. (Original) A method according to claim 7, wherein the plurality of further messages are displayed below each other as said further messages are received.

10. (Currently Amended) Apparatus for providing messaging, said apparatus comprising:
    a. a memory for storing said messaging; and
    b. at least one processor for:

providing display of messages exchanged between a plurality of participants, wherein said messages are displayed to each of said plurality of participants;

receiving designation of one of said messages displayed to each of said plurality of participants as an anchor message;

permitting a response received to said anchor message from one of said plurality of participants to be provided to and displayed by all others of said plurality of participants;

~~providing display of said response;~~ and

receiving at least a further response to said anchor message from at least one of said plurality of participants, wherein at least an excluded one of said plurality of participants is prevented from receiving and displaying at least said further response.

11. (Original) Apparatus according to claim 10, wherein said anchor message and said response received to said anchor message are simultaneously displayed.

12. (Original) Apparatus according to claim 10, wherein said at least one processor is further for simultaneously displaying said response and at least said further response.

13. (Original) Apparatus according to claim 10, wherein said permitting said response includes permitting all of said plurality of participants to exchange messages with each other.

14. (Original) Apparatus according to claim 10, wherein said messages exchanged with all of said plurality of participants are displayed below each other as said messages are received.

15. (Original) Apparatus according to claim 10, wherein said receiving at least said further response includes exchanging a plurality of further messages between said plurality of participants except for said excluded one of said plurality of participants.

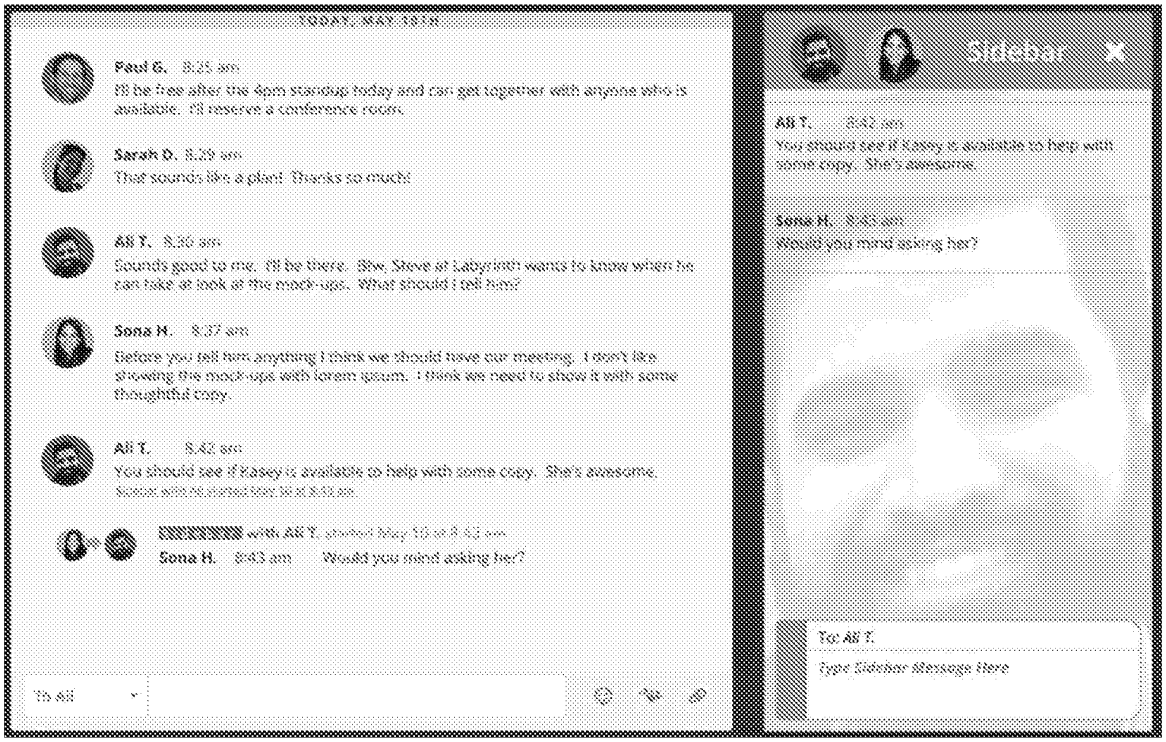
16. (Original) Apparatus according to claim 14, wherein said receiving at least said further response includes exchanging a plurality of further messages between said plurality of participants except for said excluded one of said plurality of participants.

17. (Original) Apparatus according to claim 15, wherein the plurality of further messages are displayed below each other as said further messages are received.

18. (Original) Apparatus according to claim 16, wherein the plurality of further messages are displayed below each other as said further messages are received.

## REMARKS/ARGUMENTS

The present invention relates to a method and apparatus for providing messaging. An exemplary embodiment of the present invention is illustrated in Applicant's Fig. 10E of the originally filed application. Fig. 10E illustrates a left portion of the screen that may be referred to as a Main Conversation Pane – an area of the screen in which messages are exchanged between a plurality of users, and any message exchanged in the Main Conversation Pane is visible to all of those users.




As seen above, when Ali says "You should see…awesome", Sona decides that she wants to have a private conversation with Ali. This conversation will take place in the right portion of the screen that may be referred to as the Sidebar. In the Sidebar, messages are exchanged and seen by less than all of the users that are participating in the conversation that is displayed in the Main Conversation Pane.

In order for Sona and Ali (and possibly others) to participate in the Sidebar conversation, Sona clicks on a portion of Ali's "You should see…awesome" message (this is illustrated by clicking, for example, on the arrow in Applicant's Fig. 10A). By Sona clicking on the Ali's message, Ali's message becomes and Anchor Message. The Anchor Message thus appears in the Sidebar and Ali and Sona may have a private conversation with the Anchor Message effectively being the "root" of that conversation.

Note that even though Ali's message has been designated as an Anchor Message, any user can respond to the Anchor Message in the Main Conversation Pane – with the result that every user sees the response.

Thus, in the exemplary embodiment, when a user responds to the Anchor Message in the Sidebar, not all of the users see the response, but when a user responds to the Anchor Message in the Main Conversation Pane, all of the users see the response.

The above explanation is with regards to an exemplary embodiment and has been provided for illustrative purposes only.

Claims 1 – 18 have been rejected under 35 U.S.C. §103 as being unpatentable over Anderson (US 2017/0163594) in view of Bill (US 2010/0124322). It is respectfully submitted, however, that these claims are patentable over the art of record for the reasons set forth below.

Anderson defines an anchor message as follows (paragraph [0060]):

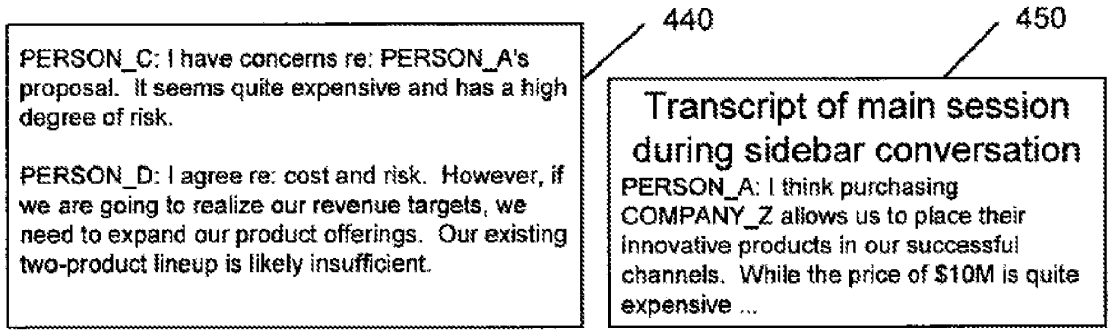
> An anchor message is the first message of a tracked thread that the user has indicated interest in. To illustrate, if a user decides to begin tracking the thread at message X, then message X becomes the anchor message for the thread of subsequent messages that follow.

Anderson's "anchor message" is therefore a designation for a message within a thread of messages. Put another way, it is a message within a communications channel that can be responded to by any user that has access to that communications channel.

Bill discloses the concept of a sidebar conversation (paragraph [0083]):

> A content restriction is asymmetric with respect to a piece of content if a first community of users has a different capability than a second community of users with respect to accessing, copying, modifying, and distributing the piece of content. Thus, some conference participants (e.g. a manager) may be allowed to access the piece of content (e.g. a sidebar conversation) while other conference participants are not.

Bill illustrates the above concept in his Fig. 4:




In the above illustration, item 440 is identified as the sidebar section and item 450 is identified as the text conferencing section. Note, however, that the string in sidebar section 440 and the string in text conferencing section 450 are completely independent. There is no relationship between the message strings in each section and the users participating in each message exchange are totally different.

Applicant's invention as recited by claim 1 includes a feature that is neither disclosed nor suggested by the art of record, namely:

> …permitting a response received to said anchor message from one of said plurality of participants to be provided to and displayed by all others of said plurality of participants;
>
> receiving at least a further response to said anchor message from at least one of said plurality of participants, wherein at least an excluded one of said plurality of participants is prevented from receiving and displaying at least said further response.

Applicant's Fig. 10E (reproduced on page 5 of this Amendment) is helpful for understanding the above claim language (it is emphasized, however, that Fig. 10E is merely an exemplary embodiment of the invention) and is being described for illustrative purposes only. The "by all others" part of the above claim quote is illustrated (for example) by the Main Conversation Pane on the left – where Paul G, Sarah D, Ali T, and Sona H are participating in the conversation. A response to Ali's message "You should see…" in the Main Conversation Pane is visible to Paul, Sarah, Ali and Son. The "an excluded one of said plurality of participants is prevented" part of the above claim quote is illustrated (for example) by the sidebar on the right – where only Ali and Sona are participating in the (side) conversation. In the sidebar on the right, Paul G and Sarah D are excluded from seeing a response to Ali's message "You should see…"

Thus, in accordance with claim 1, Applicant's anchor message is behaving as a "root message" for two conversations, a first conversation where all participants to that first conversation can see a response to the anchor message, and a second conversation where some (but not all) participants to the first conversation can see a response to the anchor message.

It is BECAUSE of Applicant's above claimed features that responses to an anchor message have different visibility, allowing a (side) conversation and a main conversation to take place with responses to the same anchor message. Anderson merely designates a message as an anchor message – the designation has nothing to do with all participants seeing one response to the anchor message and less than all participants seeing another response to the anchor message. While Bill discloses two message threads, there is no commonality between a respective message in each thread. Therefore, combining the cited references would not result in Applicant's claimed features. Applicant's claim 1 is therefore patentable over the art of record.

Claim 10, while not identical to claim 1 is patentable over the art of record for reasons similar to those set forth above with regard to claim 1.

Applicant's dependent claims are patentable by virtue of their dependency on allowable claims 1 and 10, respectively.

This application is in condition for allowance which action is respectfully requested.

Respectfully submitted,
CAESAR RIVISE, PC

August 31, 2017

By /lawrence e ashery/
Lawrence E. Ashery
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Attorneys for Applicants

Please charge or credit our Account No. 03-0075 as necessary to effect entry and/or ensure consideration of this submission.

| Electronic Acknowledgement Receipt | |
|---|---|
| **EFS ID:** | 30239198 |
| **Application Number:** | 15609663 |
| **International Application Number:** | |
| **Confirmation Number:** | 9243 |
| **Title of Invention:** | MESSAGING APPARATUS AND METHOD THEREOF |
| **First Named Inventor/Applicant Name:** | Marc A. COHEN |
| **Customer Number:** | 3000 |
| **Filer:** | Lawrence E. Ashery/Lauren Donaghy |
| **Filer Authorized By:** | Lawrence E. Ashery |
| **Attorney Docket Number:** | W1186/20002 |
| **Receipt Date:** | 31-AUG-2017 |
| **Filing Date:** | 31-MAY-2017 |
| **Time Stamp:** | 14:27:04 |
| **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 | | W118620002_Amendment_20170831.PDF | 402966<br>7af20f60fd25acc2d28647b3aa6dea01b10fff54 | yes | 9 |

| | Multipart Description/PDF files in .zip description | | |
|---|---|---|---|
| | **Document Description** | **Start** | **End** |
| | Amendment/Req. Reconsideration-After Non-Final Reject | 1 | 1 |
| | Claims | 2 | 4 |
| | Applicant Arguments/Remarks Made in an Amendment | 5 | 9 |
| **Warnings:** | | | |
| **Information:** | | | |
| | **Total Files Size (in bytes):** | 402966 | |

**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/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| PATENT APPLICATION FEE DETERMINATION RECORD<br>Substitute for Form PTO-875 | Application or Docket Number<br>15/609,663 | Filing Date<br>05/31/2017 | ☐ To be Mailed |
|---|---|---|---|

**ENTITY**: ☐ LARGE ☒ SMALL ☐ MICRO

## APPLICATION AS FILED – PART I

| | (Column 1) | (Column 2) | | |
|---|---|---|---|---|
| FOR | NUMBER FILED | 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 $ = | |
| INDEPENDENT CLAIMS (37 CFR 1.16(h)) | minus 3 = | * | X $ = | |
| ☐ 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

| AMENDMENT | 08/31/2017 | (Column 1) CLAIMS REMAINING AFTER AMENDMENT | | (Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR | (Column 3) PRESENT EXTRA | RATE ($) | ADDITIONAL FEE ($) |
|---|---|---|---|---|---|---|---|
| | Total (37 CFR 1.16(i)) | * 18 | Minus | ** 20 | = 0 | X $40 = | 0 |
| | Independent (37 CFR 1.16(h)) | * 2 | Minus | ***3 | = 0 | X $210 = | 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 |

| AMENDMENT | | (Column 1) CLAIMS REMAINING AFTER AMENDMENT | | (Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR | (Column 3) PRESENT EXTRA | RATE ($) | ADDITIONAL FEE ($) |
|---|---|---|---|---|---|---|---|
| | Total (37 CFR 1.16(i)) | * | Minus | ** | = | X $ = | |
| | Independent (37 CFR 1.16(h)) | * | Minus | *** | = | X $ = | |
| | ☐ 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.
** 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 number found in the appropriate box in column 1.

LIE
DEBORAH POLLARD

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**
*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

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| APPLICATION NUMBER | FILING OR 371(C) DATE | FIRST NAMED APPLICANT | ATTY. DOCKET NO./TITLE |
|---|---|---|---|
| 15/609,663 | 05/31/2017 | Marc A. COHEN | W1186/20002 |

**CONFIRMATION NO. 9243**

3000
CAESAR RIVISE, PC
7 Penn Center, 12th Floor
1635 Market Street
Philadelphia, PA 19103-2212

**PUBLICATION NOTICE**

*OC000000094239517*

**Title:**MESSAGING APPARATUS AND METHOD THEREOF

**Publication No.**US-2017-0272390-A1
**Publication Date:**09/21/2017

## NOTICE OF PUBLICATION OF APPLICATION

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/.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Public Records Division. The Public Records Division can be reached by telephone at (571) 272-3150 or (800) 972-6382, by facsimile at (571) 273-3250, by mail addressed to the United States Patent and Trademark Office, Public Records Division, Alexandria, VA 22313-1450 or via the Internet.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at www.uspto.gov using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently https://portal.uspto.gov/pair/PublicPair. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

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Office of Data Managment, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|---|---|---|---|
| 15/609,663 | 05/31/2017 | Marc A. COHEN | W1186/20002 | 9243 |

3000 7590 11/09/2017

CAESAR RIVISE, PC
7 Penn Center, 12th Floor
1635 Market Street
Philadelphia, PA 19103-2212

| EXAMINER | |
|---|---|
| DALENCOURT, YVES | |

| ART UNIT | PAPER NUMBER |
|---|---|
| 2457 | |

| NOTIFICATION DATE | DELIVERY MODE |
|---|---|
| 11/09/2017 | 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):

patents@crbcp.com

| Office Action Summary | Application No. 15/609,663 | Applicant(s) COHEN ET AL. | |
|---|---|---|---|
| | Examiner YVES DALENCOURT | Art Unit 2457 | AIA (First Inventor to File) 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 *08/31/2017*.

☐ 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) *1-18* 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) *1-18* 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 _____ 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 _____.

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

4) ☐ Other: _____.

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

## DETAILED ACTION

This office action is responsive to amendment filed on 08/31/2017.

### *Response to Amendment*

The Examiner has acknowledged the amended claims 1 and 10.

### *Response to Arguments*

Applicant's arguments with respect to claims 1 - 18 have been considered but are moot because the arguments do not apply to any of the references being used in the current rejection.

### *Claim Rejections - 35 USC § 103*

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.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied 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.

This application currently names joint inventors. In considering patentability of the claims the examiner presumes that the subject matter of the various claims was commonly owned as of the effective filing date of the claimed invention(s) absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and effective filing dates of each claim that was not commonly owned as of the effective filing date of the later invention in order for the examiner to consider the applicability of 35 U.S.C. 102(b)(2)(C) for any potential 35 U.S.C. 102(a)(2) prior art against the later invention.

Claims 1 - 18 are rejected under 35 U.S.C. 103 as being unpatentable over Monica Anderson (US 2017/0163594; hereinafter Anderson) in view of Bou-Ghannam et al (US 7,945,620; hereinafter Bou-Ghannam)

Regarding claim 1, Anderson discloses a method of providing messaging (abstract, said method comprising the steps of:

a) providing display of messages exchanged between a plurality of participants (paragraphs [0005 - 0006], [0008]; *Anderson discloses that each **participant** in a particular chat room sees a message window for that chat room. **Participants'** messages appear in the message window in the order that the messages are posted*),

wherein said messages are displayed to each of said participants (paragraphs [0006], [0097 – 0099]);

b) receiving designation of one of said messages displayed to each of said plurality of participants as an anchor message (fig.4; paragraphs [0060], [0096 - 0098], ; *Anderson discloses that if a user decides to begin tracking the thread at message X, then message X becomes the anchor message for the thread of subsequent messages that follow*);

c) permitting a response received to said anchor message from one of said plurality of participants to be provided to and displayed by all others of said plurality of participants (paragraphs [0006], [0008],[0099]; *Anderson discloses that Feedback meter 1232 indicates a measure of "spam" votes that are received in response to the messages authored by the user*);

d) providing display of said response (paragraphs [0006], [0024], [0099]; *Anderson discloses that the set of meters that are displayed are under the user's control*); and

e) receiving at least a further response to said anchor message from at least one of said plurality of participants (paragraph [0067]; Anderson discloses that the chat system attaches to an incoming message a link to the parent message if the incoming message is a reply to another message).

Anderson discloses all the limitations, but fails to specifically disclose that wherein at least an excluded one of said plurality of participants is prevented from receiving at least said further response.

Bou-Ghannam, in an analogous art, discloses that wherein at least an excluded one of said plurality of participants is prevented from receiving and displaying at least said further response (figs 2 & 3; col. 2, lines 18 – 25; col. 2, lines 35 – 46; col. 3, line 65 through col. 4, line 57; *Bou-Ghannam discloses* that each participant can be a participant of a public chat session. After entering the public chat session, Participant A and Participant B may wish to conduct a private side discussion or **private chat** session).

Thus, it would have been obvious to one of ordinary skill in the art before the effective filing date of the invention to modify the teaching of Anderson by providing that at least an excluded one of said plurality of participants is prevented from receiving at least said further response as evidenced by Bou-Ghannam for the purpose of permitting a user to simultaneously receive chat messages for two or more different chat sessions, thereby permitting side discussions within a secondary chat session.

Regarding claim 2, Anderson and Bou-Ghannam disclose a method according to claim 1, wherein said anchor message and said response received to said anchor message are simultaneously displayed (Anderson: figs. 10 – 12; paragraphs [0005 - 0006], [0060], [0095 – 0099]).

Regarding claim 3, Anderson and Bou-Ghannam disclose a method according to claim 1, further comprising the step of simultaneously displaying said response and at least said further response (Anderson: figs. 10 – 12; paragraphs [0005 - 0006], [0060], [0095 – 0099]).

Regarding claim 4, Anderson and Bou-Ghannam disclose a method according to claim 1, wherein step c) includes the step of permitting all of said plurality of participants to exchange messages with each other (Anderson: figs. 10 – 12; paragraphs [0006]).

Regarding claim 5, Anderson and Bou-Ghannam disclose a method according to claim 1, wherein said messages exchanged with all of said plurality of participants are displayed below each other as said messages are received (Anderson: figs. 10 – 12; paragraphs [0006]; *Anderson discloses that in a chat client, the newest messages are displayed either at the top or bottom of the message window*).

Regarding claim 6, Anderson and Bou-Ghannam disclose a method according to claim 1, wherein step e) includes the step of exchanging a plurality of further messages between said plurality of participants except for said excluded one of said plurality of participants (figs 2 & 3; col. 2, lines 18 – 25; col. 2, lines 35 – 46; col. 3, line 65 through col. 4, line 57 ; *Bou-Ghannam discloses* that Each participant can be a participant of a public chat session. After entering the public chat session, Participant A and Participant B may wish to conduct a private side discussion or **private chat** session). Same motivation as in claim 1.

Regarding claim 7, Anderson and Bou-Ghannam disclose a method according to claim 5, wherein step e) includes the step of exchanging a plurality of further messages between said plurality of participants except for said excluded one of said plurality of participants (figs 2 & 3; col. 2, lines 18 – 25; col. 2, lines 35 – 46; col. 3, line 65 through col. 4, line 57 ; *Bou-Ghannam discloses* that Each participant can be a participant of a public chat session. After entering the public chat session, Participant A and Participant

B may wish to conduct a private side discussion or **private chat** session). Same motivation as in claim 1.

Regarding claim 8, Anderson and Bou-Ghannam disclose a method according to claim 6, wherein the plurality of further messages are displayed below each other as said further messages are received (Anderson: figs. 10 – 12; paragraphs [0006]; *Anderson discloses that in a chat client, the newest messages are displayed either at the top or bottom of the message window*).

Regarding claim 9, Anderson and Bou-Ghannam disclose a method according to claim 7, wherein the plurality of further messages are displayed below each other as said further messages are received (Anderson: figs. 10 – 12; paragraphs [0006]; *Anderson discloses that in a chat client, the newest messages are displayed either at the top or bottom of the message window*).

Claims 10 - 18 incorporate substantively all the limitations of claim 1 - 9 in apparatus form, rather than method form. The reasons for rejected claims 1 - 9 apply in claims 10 – 18. Therefore, claims 10 – 18 are rejected for the same reasons.

## ***Conclusion***

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

Shapiro et al (US 2015/0188928) discloses a private-public chat functionality.

Behforooz et al (US 2014/0040784) discloses a multi-user chat.

PARK et al (US 2014/0298210) discloses an apparatus and method for providing private chat in group chat.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

## Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to YVES DALENCOURT whose telephone number is (571)272-3998. The examiner can normally be reached on M-F 8-5:30.

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

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

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

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

/YVES DALENCOURT/
Primary Examiner, Art Unit 2457

| Notice of References Cited | Application/Control No. 15/609,663 | Applicant(s)/Patent Under Reexamination COHEN ET AL. | |
|---|---|---|---|
| | Examiner YVES DALENCOURT | Art Unit 2457 | 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-7,945,620 B2 | 05-2011 | Bou-Ghannam; Akram A. | G06Q10/107 | 709/204 |
| * | B | US-2014/0040784 A1 | 02-2014 | Behforooz; Reza | H04L65/403 | 715/758 |
| * | C | US-2014/0298210 A1 | 10-2014 | PARK; Tae-Gun | G06F3/0486 | 715/758 |
| * | D | US-2015/0188928 A1 | 07-2015 | Shapiro; Joseph | H04L63/105 | 709/206 |
| | E | US- | | | | |
| | F | US- | | | | |
| | G | US- | | | | |
| | H | US- | | | | |
| | I | US- | | | | |
| | J | US- | | | | |
| | K | US- | | | | |
| | L | US- | | | | |
| | M | US- | | | | |

**FOREIGN PATENT DOCUMENTS**

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

**NON-PATENT DOCUMENTS**

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

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

| Index of Claims | Application/Control No. | Applicant(s)/Patent Under Reexamination |
|---|---|---|
| | 15609663 | COHEN ET AL. |
| | **Examiner** | **Art Unit** |
| | YVES DALENCOURT | 2457 |

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

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

| CLAIM | | DATE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Final | Original | 07/30/2017 | 11/04/2017 | | | | | | | |
| | 1 | ✓ | ✓ | | | | | | | |
| | 2 | ✓ | ✓ | | | | | | | |
| | 3 | ✓ | ✓ | | | | | | | |
| | 4 | ✓ | ✓ | | | | | | | |
| | 5 | ✓ | ✓ | | | | | | | |
| | 6 | ✓ | ✓ | | | | | | | |
| | 7 | ✓ | ✓ | | | | | | | |
| | 8 | ✓ | ✓ | | | | | | | |
| | 9 | ✓ | ✓ | | | | | | | |
| | 10 | ✓ | ✓ | | | | | | | |
| | 11 | ✓ | ✓ | | | | | | | |
| | 12 | ✓ | ✓ | | | | | | | |
| | 13 | ✓ | ✓ | | | | | | | |
| | 14 | ✓ | ✓ | | | | | | | |
| | 15 | ✓ | ✓ | | | | | | | |
| | 16 | ✓ | ✓ | | | | | | | |
| | 17 | ✓ | ✓ | | | | | | | |
| | 18 | ✓ | ✓ | | | | | | | |

| Search Notes | Application/Control No. | Applicant(s)/Patent Under Reexamination |
|---|---|---|
| | 15609663 | COHEN ET AL. |
| | Examiner | Art Unit |
| | YVES DALENCOURT | 2457 |

| CPC- SEARCHED | | |
|---|---|---|
| Symbol | Date | Examiner |
| H04L51/12, H04L51/16 | 07/27/2017 | YD |

| 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 |
| WEST/CPC (text search) | 07/27/2017 | YD |
| WEST/CPC (updated text search) | 11/02/2017 | YD |
| WEST/CPC (updated text search) | 11/04/2017 | YD |

| INTERFERENCE SEARCH | | | |
|---|---|---|---|
| US Class/ CPC Symbol | US Subclass / CPC Group | Date | Examiner |
| | See WEST/CPC text search | 11/03/2017 | YD |

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# WEST Search History for Application 15609663

## Creation Date: 2017110522:24

## Prior Art Searches

| Query | DB | Hits | Op. | Plur. | Thes. | Date |
|---|---|---|---|---|---|---|
| **20020095465** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 07-30-2017 |
| **20070185961** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 07-30-2017 |
| **20140219433** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 07-30-2017 |
| **displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 785 | OR | YES | | 07-30-2017 |
| **(displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 ) and exchang$3 adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 175 | OR | YES | | 07-30-2017 |
| **(prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 74 | OR | YES | | 07-30-2017 |
| | | 0 | OR | YES | | 07-30-2017 |

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|---|---|---|---|---|---|---|
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **anchor near message$1 and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **anchor near message$1 and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **anchor near message$1 and (online or internet or social near media) adj7 participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **anchor near message$1 and chat near session$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 33 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and chat near session$1 ) and (prevent$3 or restrict$3 or block$3)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 33 | OR | YES | | 07-30-2017 |
| **displ$3 adj7 anchor near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 47 | OR | YES | | 07-30-2017 |
| **(displ$3 adj7 anchor near message$1 ) and ((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 )** | PGPB, USPT, EPAB, JPAB, | 0 | OR | YES | | 07-30-2017 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(displ$3 adj7 anchor near message$1 ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and anchor near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and first near thread$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and thread$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 29 | OR | YES | | 07-30-2017 |
| **(((H04L51/12))).cpc.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 7555 | OR | YES | | 07-30-2017 |
| **(((H04L51/16))).cpc.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2836 | OR | YES | | 07-30-2017 |
| **20140059586** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 07-30-2017 |
| **20140172427** | | 3 | OR | YES | | 07-30-2017 |

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| | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(20140172427 ) and displ$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(20140172427 ) and displ$3 adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(20140172427 ) and displ$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 07-30-2017 |
| **anchor near message$1 near response$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 43 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 near response$1 ) and 13** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 38 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 near response$1 and 13 ) and participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 near response$1 and 13 ) and (participant$1 or user$1 or client$1 or device$1)** | PGPB, USPT, EPAB, JPAB, | 33 | OR | YES | | 07-30-2017 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **exclud$3 near4 (participant$1 or user$1 or client$1 or device$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 52129 | OR | YES | | 07-30-2017 |
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) ) and (anchor near message$1 near response$1 and 13 and (participant$1 or user$1 or client$1 or device$1) )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 near response$1 and 13 and (participant$1 or user$1 or client$1 or device$1) ) and provid$3 near3 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 7 | OR | YES | | 07-30-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 and thread$1 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 26 | OR | YES | | 07-30-2017 |
| **(20140219433 ) and displ$5 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(20140219433 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 07-30-2017 |
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 35 | OR | YES | | 07-30-2017 |
| | | 8 | OR | YES | | 07-30-2017 |

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|---|---|---|---|---|---|---|
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) and displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 ) and (anchor near message$1 or thread$3)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) ) and displ$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 33 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 ) and response$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 33 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 ) and participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 33 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and exchang$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and exchang$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and communicat$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 33 | OR | YES | | 07-30-2017 |
| **chat near room near communication$1** | PGPB, USPT, EPAB, JPAB, | 402 | OR | YES | | 07-30-2017 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(chat near room near communication$1 ) and ((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 07-30-2017 |
| **(chat near room near communication$1 ) and displ$3 adj7 (thread or anchor) adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(chat near room near communication$1 ) and displ$3 adj7 (message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 44 | OR | YES | | 07-30-2017 |
| **(chat near room near communication$1 ) and displ$3 adj7 (message$1 and response$1) adj7 simultaneous$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(displ$3 or output$3) adj7 (anchor near message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 572 | OR | YES | | 07-30-2017 |
| **((anchor near message$1 and response$1) ) and (chat near room near communication$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| | | 113 | OR | YES | | 07-30-2017 |

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| **exchang$3 near message$1 and (chat near room near communication$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(exchang$3 near message$1 and chat near room near communication$1 ) chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 14893 | OR | YES | | 07-30-2017 |
| **(exchang$3 near message$1 and chat near room near communication$1 ) and chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 113 | OR | YES | | 07-30-2017 |
| **(exchang$3 near message$1 and chat near room near communication$1 and chat near room ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 8 | OR | YES | | 07-30-2017 |
| **20020095465** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 11-05-2017 |
| **20070185961** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 11-05-2017 |
| **20140219433** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 11-05-2017 |
| **displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1** | PGPB, USPT, EPAB, JPAB, | 802 | OR | YES | | 11-05-2017 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 ) and exchang$3 adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 178 | OR | YES | | 11-05-2017 |
| **(prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 76 | OR | YES | | 11-05-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **anchor near message$1 and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **anchor near message$1 and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **anchor near message$1 and (online or internet or social near media) adj7 participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **anchor near message$1 and chat near session$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 36 | OR | YES | | 11-05-2017 |
| | | 36 | OR | YES | | 11-05-2017 |

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| **(anchor near message$1 and chat near session$1 ) and (prevent$3 or restrict$3 or block$3)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **displ$3 adj7 anchor near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 51 | OR | YES | | 11-05-2017 |
| **(displ$3 adj7 anchor near message$1 ) and ((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **(displ$3 adj7 anchor near message$1 ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and anchor near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and first near thread$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and thread$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 30 | OR | YES | | 11-05-2017 |
| **(((((((((H04L51/12)))))))))).cpc.** | PGPB, USPT, EPAB, JPAB, | 7803 | OR | YES | | 11-05-2017 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| (((((((((**H04L51/16**))))))))).**cpc.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3045 | OR | YES | | 11-05-2017 |
| **20140059586** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 11-05-2017 |
| **20140172427** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 11-05-2017 |
| **(20140172427 ) and displ$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **(20140172427 ) and displ$3 adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **(20140172427 ) and displ$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **anchor near message$1 near response$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 48 | OR | YES | | 11-05-2017 |
| | | 42 | OR | YES | | 11-05-2017 |

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| **(anchor near message$1 near response$1 ) and 13** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(anchor near message$1 near response$1 and 13 ) and participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **(anchor near message$1 near response$1 and 13 ) and (participant$1 or user$1 or client$1 or device$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 37 | OR | YES | | 11-05-2017 |
| **exclud$3 near4 (participant$1 or user$1 or client$1 or device$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 53938 | OR | YES | | 11-05-2017 |
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) ) and (anchor near message$1 near response$1 and 13 and (participant$1 or user$1 or client$1 or device$1) )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **(anchor near message$1 near response$1 and 13 and (participant$1 or user$1 or client$1 or device$1) ) and provid$3 near3 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 8 | OR | YES | | 11-05-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 and thread$1 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 27 | OR | YES | | 11-05-2017 |
| **(20140219433 ) and displ$5 near message$1** | PGPB, USPT, EPAB, JPAB, | 0 | OR | YES | | 11-05-2017 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(20140219433 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 11-05-2017 |
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 37 | OR | YES | | 11-05-2017 |
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) and displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 ) and (anchor near message$1 or thread$3)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 9 | OR | YES | | 11-05-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) ) and displ$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 36 | OR | YES | | 11-05-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 ) and response$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 36 | OR | YES | | 11-05-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 ) and participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 36 | OR | YES | | 11-05-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and exchang$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 11-05-2017 |
| | | 2 | OR | YES | | 11-05-2017 |

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| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and exchang$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and communicat$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 36 | OR | YES | | 11-05-2017 |
| **chat near room near communication$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 415 | OR | YES | | 11-05-2017 |
| **(chat near room near communication$1 ) and ((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 11-05-2017 |
| **(chat near room near communication$1 ) and displ$3 adj7 (thread or anchor) adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **(chat near room near communication$1 ) and displ$3 adj7 (message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 47 | OR | YES | | 11-05-2017 |
| **(chat near room near communication$1 ) and displ$3 adj7 (message$1 and response$1) adj7 simultaneous$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **(displ$3 or output$3) adj7 (anchor near message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, | 5 | OR | YES | | 11-05-2017 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(anchor near message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 590 | OR | YES | | 11-05-2017 |
| **((anchor near message$1 and response$1) ) and (chat near room near communication$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 11-05-2017 |
| **exchang$3 near message$1 and (chat near room near communication$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 117 | OR | YES | | 11-05-2017 |
| **(exchang$3 near message$1 and chat near room near communication$1 ) chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 15219 | OR | YES | | 11-05-2017 |
| **(exchang$3 near message$1 and chat near room near communication$1 ) and chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 117 | OR | YES | | 11-05-2017 |
| **(exchang$3 near message$1 and chat near room near communication$1 and chat near room ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 8 | OR | YES | | 11-05-2017 |
| **20170163594** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 11-05-2017 |
| **(20170163594 ) and virtual** | | 0 | OR | YES | | 11-05-2017 |

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| | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(20170163594 ) and online** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **virtual near online near meeting ear room or chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3271029 | OR | YES | | 11-05-2017 |
| **virtual near online near meeting near room or chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 15220 | OR | YES | | 11-05-2017 |
| **(virtual near online near meeting near room or chat near room ) and communicat$3 near (user$1 or client$1 or person$1 or friend$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 6158 | OR | YES | | 11-05-2017 |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) ) and (receiv$3 adj7 external near message$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 16 | OR | YES | | 11-05-2017 |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) and (receiv$3 adj7 external near message$1) ) and portion** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 12 | OR | YES | | 11-05-2017 |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) and (receiv$3 adj7 external near message$1)** | PGPB, USPT, EPAB, JPAB, | 0 | OR | YES | | 11-05-2017 |

| | | | | | | |
|---|---|---|---|---|---|---|
| **and portion ) and shar$3 near message$1** | DWPI, TDBD | | | | | |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) ) and shar$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 299 | OR | YES | | 11-05-2017 |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) and shar$3 near message$1 ) and (prevent$3 or restrict$3 or block$3) adj7 sharing** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 21 | OR | YES | | 11-05-2017 |
| **shar$5 adj7 portion adj7 receiv$3 adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 17 | OR | YES | | 11-05-2017 |
| **(shar$5 adj7 portion adj7 receiv$3 adj7 message$1 ) and virtual near community$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **(shar$5 adj7 portion adj7 receiv$3 adj7 message$1 ) and virtual adj7 chat adj7 room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **(shar$5 adj7 portion adj7 receiv$3 adj7 message$1 ) and virtual** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 8 | OR | YES | | 11-05-2017 |
| **virtual near online near meeting near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 6 | OR | YES | | 11-05-2017 |
| **20100124322** | | 3 | OR | YES | | 11-05-2017 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **20150280988** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 11-05-2017 |
| **20170163594** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 11-05-2017 |
| **(20170163594 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 11-05-2017 |
| **(20170163594 and displ$5 ) and anchor** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **(20170163594 and displ$5 and anchor ) and participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **7945620.pn.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 11-05-2017 |
| **(7945620.pn. ) and anchor** | PGPB, USPT, EPAB, JPAB, | 0 | OR | YES | | 11-05-2017 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(7945620.pn. ) and private near chat** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 11-05-2017 |

UNITED STATES PATENT AND TRADEMARK OFFICE

# USPTO Automated Interview Request (AIR)

Nov 13 2017

This paper requesting to schedule and/or conduct an interview is appropriate because:

This submission is requested to be accepted as an authorization for this interview to communicate via the internet. Recognizing that Internet communications are not secure, I hereby authorize the USPTO to communicate with the undersigned concerning scheduling of the interview via video conference, instant messaging, or electronic mail, and to conduct the interview in accordance with office practice including video conferencing.

Name(s):
Lawrence Ashery

S-signature:
/lawrence ashery/

Registration Number:
34515

U.S. Application Number:
15609663

Confirmation Number:
9243

E-mail Address:
lashery@crbcp.com

Phone Number:
2155672010

Proposed Time of Interview:
11-29-2017 11:00 AM ET

Prefered Interview Type:
Telephonic

I am the applicant or applicant's representative for this application.

uspto UNITED STATES PATENT AND TRADEMARK OFFICE
PALM-SILVER

UNITED STATES PATENT AND TRADEMARK OFFICE

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

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|---|---|---|---|
| 15/609,663 | 05/31/2017 | Marc A. COHEN | W1186/20002 | 9243 |

3000 7590 12/06/2017

CAESAR RIVISE, PC
7 Penn Center, 12th Floor
1635 Market Street
Philadelphia, PA 19103-2212

| EXAMINER | |
|---|---|
| DALENCOURT, YVES | |

| ART UNIT | PAPER NUMBER |
|---|---|
| 2457 | |

| NOTIFICATION DATE | DELIVERY MODE |
|---|---|
| 12/06/2017 | 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):

patents@crbcp.com

| Applicant-Initiated Interview Summary | Application No. | Applicant(s) | | |
|---|---|---|---|---|
| | 15/609,663 | COHEN ET AL. | | |
| | Examiner | Art Unit | AIA (First Inventor to File) Status | Page |
| | YVES DALENCOURT | 2457 | Yes | 1 of 2 |

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

1. YVES DALENCOURT (Primary Examiner); Telephonic
2. Lawrence Ashery (Attorney of Record)

**Date of Interview:** 29 November 2017

**Claim(s) discussed:** proposed amendment to claim 1

**Identification of prior art discussed:** Bou-Ghannan (US 7945620)

**Amendment Proposed:** Applicant added the limitations of "wherein said anchor message and said further response are both displayed to indicate that said further response is a response to said anchor message"

**Brief Description of main topic of discussion:** We discusses the proposed amendment to claim 1 in view of the prior art applied. It appears that the claim as amended overcome the prior art. The Examiner will update his search upon receiving a formal amendment.

## Issues Discussed:

**Proposed Amendments:**

1. (Currently Amended) A method of providing messaging, said method comprising the steps of:

a) providing display of messages exchanged between a plurality of participants, wherein said messages are displayed to each of said plurality of participants;

b) receiving designation of one of said messages displayed to each of said plurality of participants as an anchor message;

c) permitting a response received to said anchor message from one of said plurality of participants to be provided to and displayed by all others of said plurality of participants; and

d) receiving at least a further response to said anchor message from at least one of said plurality of participants, wherein at least an excluded one of said plurality of participants is prevented from receiving and displaying at least said further response; and
"wherein said anchor message and said further response are both displayed to indicate that said further response is a response to said anchor message" .

| /YVES DALENCOURT/<br>Primary Examiner, Art Unit 2457 | |
|---|---|

**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 time limit 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.

**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 applicant's 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**

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

PTO/SB/30EFS (07-14)
Approved for use through 07/31/2016. 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 | 15609663 | Filing Date | 2017-05-31 | Docket Number (if applicable) | W1186/20002 | Art Unit | 2457 |
| First Named Inventor | Marc A. COHEN | | | Examiner Name | Yves Dalencourt | | |

**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, to any international application that does not comply with the requirements of 35 U.S.C. 371, 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 030075

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

Applicant Signature

PTO/SB/30EFS (07-14)
Approved for use through 07/31/2016. 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.

| Signature of Registered U.S. Patent Practitioner | | | |
|---|---|---|---|
| Signature | /lawrence e ashery/ | Date (YYYY-MM-DD) | 2017-12-21 |
| Name | Lawrence E. Ashery | Registration Number | 34515 |

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.

# Electronic Patent Application Fee Transmittal

| | |
|---|---|
| **Application Number:** | 15609663 |
| **Filing Date:** | 31-May-2017 |
| **Title of Invention:** | MESSAGING APPARATUS AND METHOD THEREOF |
| **First Named Inventor/Applicant Name:** | Marc A. COHEN |
| **Filer:** | Lawrence E. Ashery/Lauren Donaghy |
| **Attorney Docket Number:** | W1186/20002 |

Filed as Small 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($) |
|---|---|---|---|---|
| **Miscellaneous:** | | | | |
| RCE- 1st Request | 2801 | 1 | 600 | 600 |
| | | **Total in USD ($)** | | **600** |

| Electronic Acknowledgement Receipt | |
|---|---|
| **EFS ID:** | 31309631 |
| **Application Number:** | 15609663 |
| **International Application Number:** | |
| **Confirmation Number:** | 9243 |
| **Title of Invention:** | MESSAGING APPARATUS AND METHOD THEREOF |
| **First Named Inventor/Applicant Name:** | Marc A. COHEN |
| **Customer Number:** | 3000 |
| **Filer:** | Lawrence E. Ashery/Lauren Donaghy |
| **Filer Authorized By:** | Lawrence E. Ashery |
| **Attorney Docket Number:** | W1186/20002 |
| **Receipt Date:** | 21-DEC-2017 |
| **Filing Date:** | 31-MAY-2017 |
| **Time Stamp:** | 16:22:14 |
| **Application Type:** | Utility under 35 USC 111(a) |

## Payment information:

| | |
|---|---|
| Submitted with Payment | yes |
| Payment Type | DA |
| Payment was successfully received in RAM | $600 |
| RAM confirmation Number | 122217INTEFSW00003912030075 |
| Deposit Account | 030075 |
| Authorized User | Lawrence Ashery |
| The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:<br>37 CFR 1.16 (National application filing, search, and examination fees)<br>37 CFR 1.17 (Patent application and reexamination processing fees) | |

## File Listing:

| Document Number | Document Description | File Name | File Size(Bytes)/ Message Digest | Multi Part /.zip | Pages (if appl.) |
|---|---|---|---|---|---|
| 1 | | W118620002_AmendmentAfterFinal.PDF | 461931<br>3fe16a91666aa87fdddf5aadf5bb80b132ea9122 | yes | 11 |

**Multipart Description/PDF files in .zip description**

| Document Description | Start | End |
|---|---|---|
| Amendment Submitted/Entered with Filing of CPA/RCE | 1 | 1 |
| Claims | 2 | 5 |
| Drawings-other than black and white line drawings | 6 | 6 |
| Applicant Arguments/Remarks Made in an Amendment | 7 | 11 |

**Warnings:**

**Information:**

| | | | | | |
|---|---|---|---|---|---|
| 2 | Drawings-other than black and white line drawings | W118620002_ReplacementSheets.PDF | 14208479<br>c1337c1e59c549b9bdfde66b6583512047108039 | no | 9 |

**Warnings:**

The page size in the PDF is too large. The pages should be 8.5 x 11 or A4. If this PDF is submitted, the pages will be resized upon entry into the Image File Wrapper and may affect subsequent processing

**Information:**

| | | | | | |
|---|---|---|---|---|---|
| 3 | Request for Continued Examination (RCE) | W118620002_RCE.PDF | 1350054<br>0d361fed8b1804d120aa9c5f02d015cf0dae9447 | no | 3 |

**Warnings:**

**Information:**

| | | | | | |
|---|---|---|---|---|---|
| 4 | Fee Worksheet (SB06) | fee-info.pdf | 30553<br>8cb0711c0d49e0bc89874fe9432bcce33b054104 | no | 2 |

**Warnings:**

**Information:**

| Total Files Size (in bytes): | 16051017 |
|---|---|

**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.**

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**
**PATENT EXAMINING OPERATION**

First Named Inventor: Marc A. COHEN

Serial No: 15/609,663 Group Art Unit: 2457

Filed: May 31, 2017 Examiner: Yves Dalencourt

Att. Docket No.: W1186/20002 Confirmation No.: 9243

For: MESSAGING APPARATUS AND METHOD THEREOF

**AMENDMENT AFTER FINAL REJECTION**

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

Commissioner:

**INTRODUCTORY COMMENTS**

In response to the Final Rejection dated November 9, 2017, please amend the above identified application as follows:

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

Amendments to the Drawings begin on page 6 of this paper and include an attached replacement sheet.

Remarks/Arguments begin on page 7 of this paper.

**CERTIFICATE OF MAILING/TRANSMISSION PURSUANT TO 37 CFR 1.8**
I hereby certify that this correspondence and any attachments referenced therein is/are being mailed/transmitted to the USPTO by: (A) first class U.S. mail with sufficient postage (37 CFR § 1.1(a)); (B) facsimile (37 CFR § 1.6 (d)); or (C) EFS-Web (37 CFR § 1.6(a)(4)) on the date shown below.

Date: 12/21/2017 Signature: /lawrence e ashery/

Name: Lawrence E. Ashery

## AMENDMENTS TO THE CLAIMS

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

**Listing of Claims:**

1. (Currently Amended) A method of providing messaging, said method comprising the steps of:

a) providing display of messages exchanged between a plurality of participants, wherein said messages are displayed to each of said plurality of participants;

b) receiving designation of one of said messages displayed to each of said plurality of participants as an anchor message;

c) permitting a response received to said anchor message from one of said plurality of participants to be provided to and displayed by all others of said plurality of participants; and

d) receiving at least a further response to said anchor message from at least one of said plurality of participants, wherein at least an excluded one of said plurality of participants is prevented from receiving and displaying at least said further response, and wherein said anchor message and said further response are both displayed to indicate that said further response is a response to said anchor message.

2. (Original) A method according to claim 1, wherein said anchor message and said response received to said anchor message are simultaneously displayed.

3. (Original) A method according to claim 1, further comprising the step of simultaneously displaying said response and at least said further response.

4. (Original) A method according to claim 1, wherein step c) includes the step of permitting all of said plurality of participants to exchange messages with each other.

5. (Original) A method according to claim 1, wherein said messages exchanged with all of said plurality of participants are displayed below each other as said messages are received.

6. (Original) A method according to claim 1, wherein step e) includes the step of exchanging a plurality of further messages between said plurality of participants except for said excluded one of said plurality of participants.

7. (Original) A method according to claim 5, wherein step e) includes the step of exchanging a plurality of further messages between said plurality of participants except for said excluded one of said plurality of participants.

8. (Original) A method according to claim 6, wherein the plurality of further messages are displayed below each other as said further messages are received.

9. (Original) A method according to claim 7, wherein the plurality of further messages are displayed below each other as said further messages are received.

10. (Currently Amended) Apparatus for providing messaging, said apparatus comprising:
    a. a memory for storing said messaging; and
    b. at least one processor for:

providing display of messages exchanged between a plurality of participants, wherein said messages are displayed to each of said plurality of participants;
receiving designation of one of said messages displayed to each of said plurality of participants as an anchor message;
permitting a response received to said anchor message from one of said plurality of participants to be provided to and displayed by all others of said plurality of participants;
providing display of said response; and
receiving at least a further response to said anchor message from at least one of said plurality of participants, wherein at least an excluded one of said plurality of participants

is prevented from receiving and displaying at least said further response, and wherein said anchor message and said further response are both displayed to indicate that said further response is a response to said anchor message.

11. (Original) Apparatus according to claim 10, wherein said anchor message and said response received to said anchor message are simultaneously displayed.

12. (Original) Apparatus according to claim 10, wherein said at least one processor is further for simultaneously displaying said response and at least said further response.

13. (Original) Apparatus according to claim 10, wherein said permitting said response includes permitting all of said plurality of participants to exchange messages with each other.

14. (Original) Apparatus according to claim 10, wherein said messages exchanged with all of said plurality of participants are displayed below each other as said messages are received.

15. (Original) Apparatus according to claim 10, wherein said receiving at least said further response includes exchanging a plurality of further messages between said plurality of participants except for said excluded one of said plurality of participants.

16. (Original) Apparatus according to claim 14, wherein said receiving at least said further response includes exchanging a plurality of further messages between said plurality of participants except for said excluded one of said plurality of participants.

17. (Original) Apparatus according to claim 15, wherein the plurality of further messages are displayed below each other as said further messages are received.

18. (Original) Apparatus according to claim 16, wherein the plurality of further messages are displayed below each other as said further messages are received.

## AMENDMENTS TO THE DRAWINGS

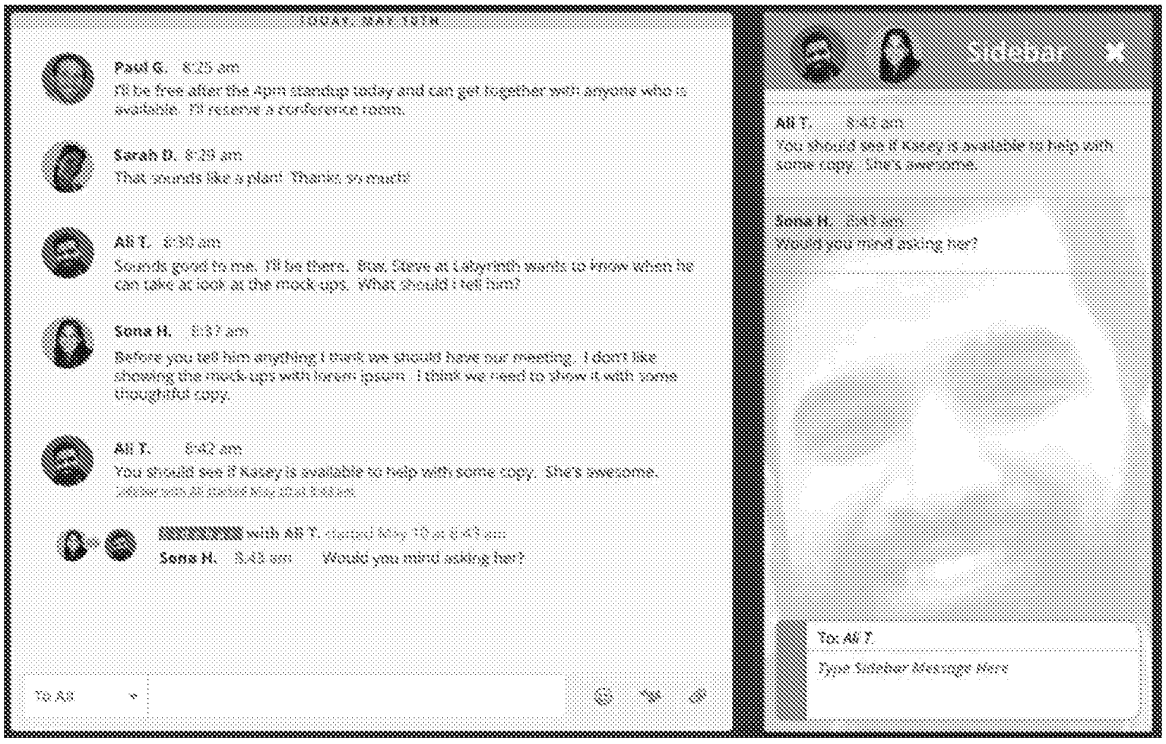
The attached sheets of drawings include changes to Fig(s). 10A-10I. These sheets, which include Fig(s). 10A-10I, replace the original sheet including Fig(s). 10A-10I. The drawings are replaced with higher resolution images for greater clarity.

Attachment(s): Replacement Sheets 18-26

## REMARKS/ARGUMENTS

Applicant acknowledges with thanks the courtesy extended to their representative by Examiner Dalencourt during the telephone interview. Applicant's representative presented a proposed amendment that the Examiner indicated appeared to overcome the rejection of record, subject to further search and consideration.

The present invention relates to a method and apparatus for providing messaging. An exemplary embodiment of the present invention is illustrated in Applicant's Fig. 10E of the originally filed application. Fig. 10E illustrates a left portion of the screen that may be referred to as a Main Conversation Pane – an area of the screen in which messages are exchanged between a plurality of users, and any message exchanged in the Main Conversation Pane is visible to all of those users.



As seen above, when Ali says "You should see…awesome", Sona decides that she wants to have a private conversation with Ali. This conversation will take place in the right portion of the screen that may be referred to as the Sidebar. In the Sidebar, messages are exchanged and seen by less than all of the users that are participating in the conversation that is displayed in the Main Conversation Pane.

In order for Sona and Ali (and possibly others) to participate in the Sidebar conversation, Sona clicks on a portion of Ali's "You should see…awesome" message (this is illustrated by clicking, for example, on the arrow in Applicant's Fig. 10A). By Sona clicking on the Ali's message, Ali's message becomes and Anchor Message. The Anchor Message thus appears in the Sidebar and Ali and Sona may have a private conversation with the Anchor Message effectively being the "root" of that conversation.

Note that even though Ali's message has been designated as an Anchor Message, any user can respond to the Anchor Message in the Main Conversation Pane – with the result that every user sees the response.

Thus, in the exemplary embodiment, when a user responds to the Anchor Message in the Sidebar, not all of the users see the response, but when a user responds to the Anchor Message in the Main Conversation Pane, all of the users see the response.

The above explanation is with regards to an exemplary embodiment and has been provided for illustrative purposes only.

Claims 1 – 18 have been rejected under 35 U.S.C. §103 as being unpatentable over Anderson (US 2017/0163594) in view of Bou-Ghannam (US 7,945,620). It is respectfully submitted, however, that these claims are patentable over the art of record for the reasons set forth below.

Anderson defines an anchor message as follows (paragraph [0060]):

> An anchor message is the first message of a tracked thread that the user has indicated interest in. To illustrate, if a user decides to begin tracking the thread at message X, then message X becomes the anchor message for the thread of subsequent messages that follow.

Anderson's "anchor message" is therefore a designation for a message within a thread of messages. Put another way, it is a message within a communications channel that can be responded to by any user that has access to that communications channel.

Bou-Ghannam discloses the concept of two chat sessions occurring simultaneously. As illustrated in Bou-Ghannam Fig. 2, three users are participating in the chat session on the left, and two of the three users are participating in the chat session on the right:

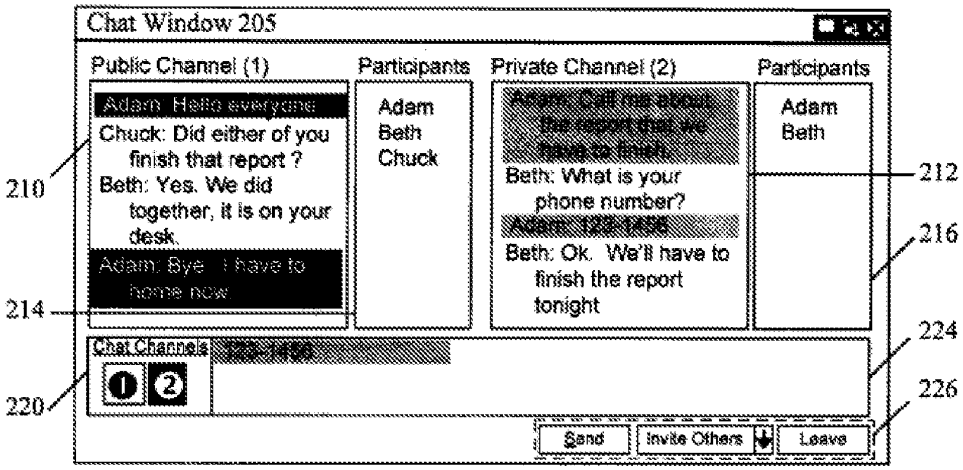


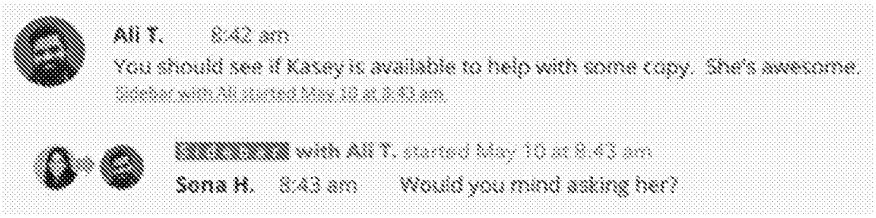

**FIG. 2**

As can be seen above in Fig. 2, there is no anchor message and there is no message that is identified as a response to the anchor message.

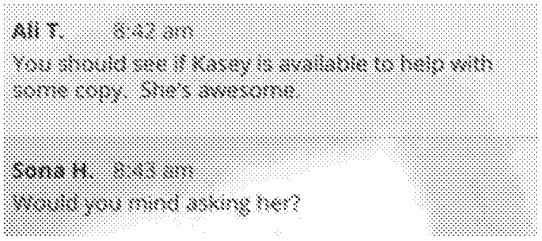
Applicant's invention, as recited by claim 1, includes a feature that is neither disclosed nor suggested by the art of record, namely:

> …wherein said anchor message and said further response are both displayed to indicate that said further response is a response to said anchor message.

Looking again at Applicant's Fig. 10E, the messages are displayed in a manner to indicate that a "further response" is a response to an "anchor message." Fig. 10E illustrates this "displayed …to indicate" feature in two ways. First, the "displayed…to indicate" feature is illustrated in the middle pane as follows:




Second, the "displayed…to indicate" feature is illustrated in the right pane as follows:




In both examples, the messages are displayed "to indicate that said further response is a response to said anchor message." It is to be emphasized that the above illustrations are merely examples, and there are other ways to accomplish the claimed "display."

It is because of the above claimed feature that the anchor message and the response to the anchor message are clearly identified.

Looking at Bou-Ghannam, there are two message streams that are occurring simultaneously. Bou-Ghannam provides no information as to whether a message on the right side of his screen is a response to a message on the left side of his screen.

Accordingly, claim 1 is patentable over the art of record.

Claim 10, while not identical to claim 1 is patentable over the art of record for reasons similar to those set forth above with regard to claim 1.

Applicant's dependent claims are patentable by virtue of their dependency on allowable claims 1 and 10, respectively.

In accordance with the discussion with the Examiner, some of the figures have been replaced. The replacement figures are identical to the originally filed figures, except they are in gray scale with improved resolution.

This application is in condition for allowance which action is respectfully requested.

Respectfully submitted,
CAESAR RIVISE, PC

December 21, 2017

By /lawrence e ashery/
Lawrence E. Ashery
Registration No. 34,515
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(215) 567-2010
Attorneys for Applicants

Please charge or credit our Account No. 03-0075 as necessary to effect entry and/or ensure consideration of this submission.

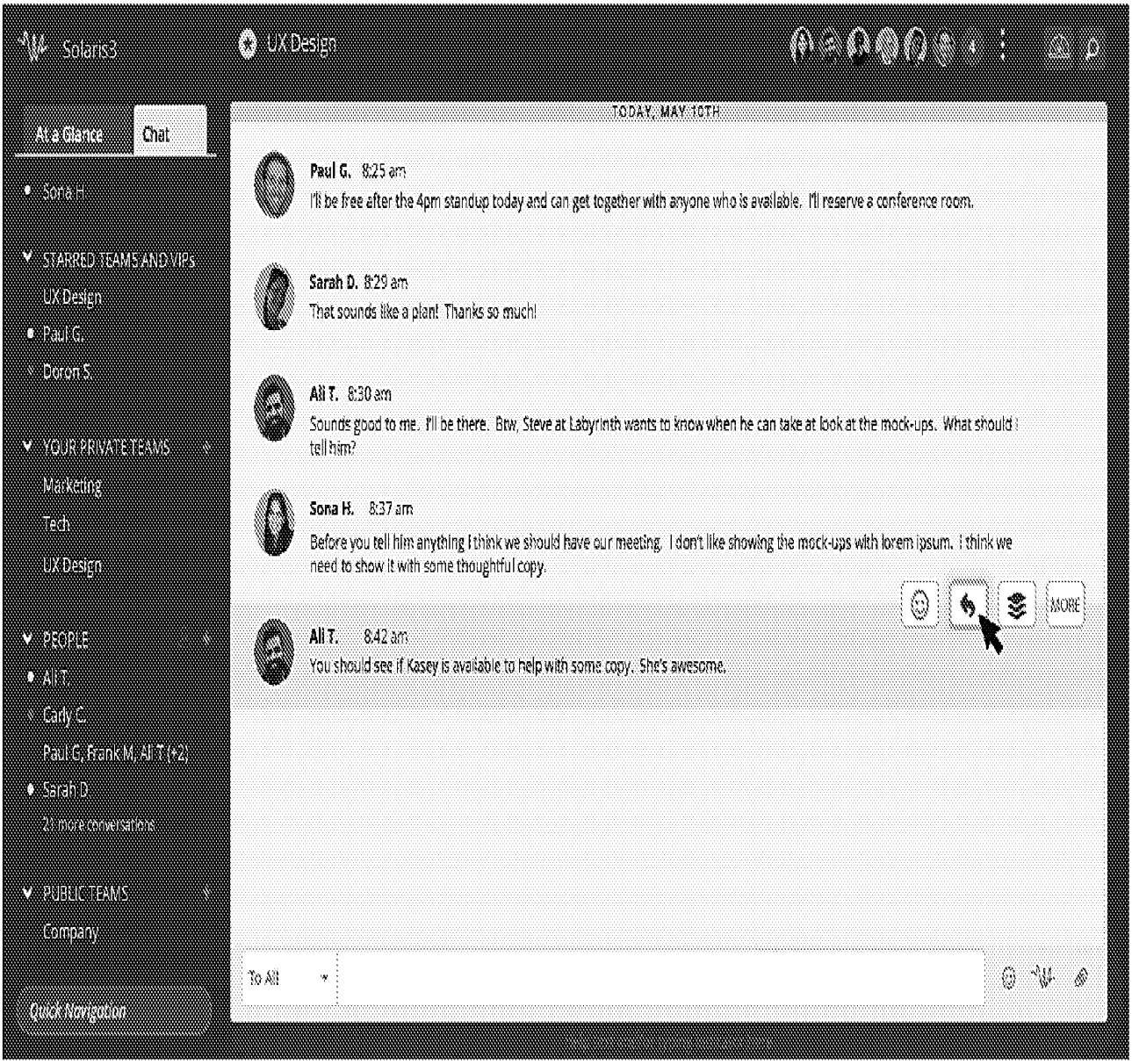



FIG. 10A

RELACEMENT SHEET

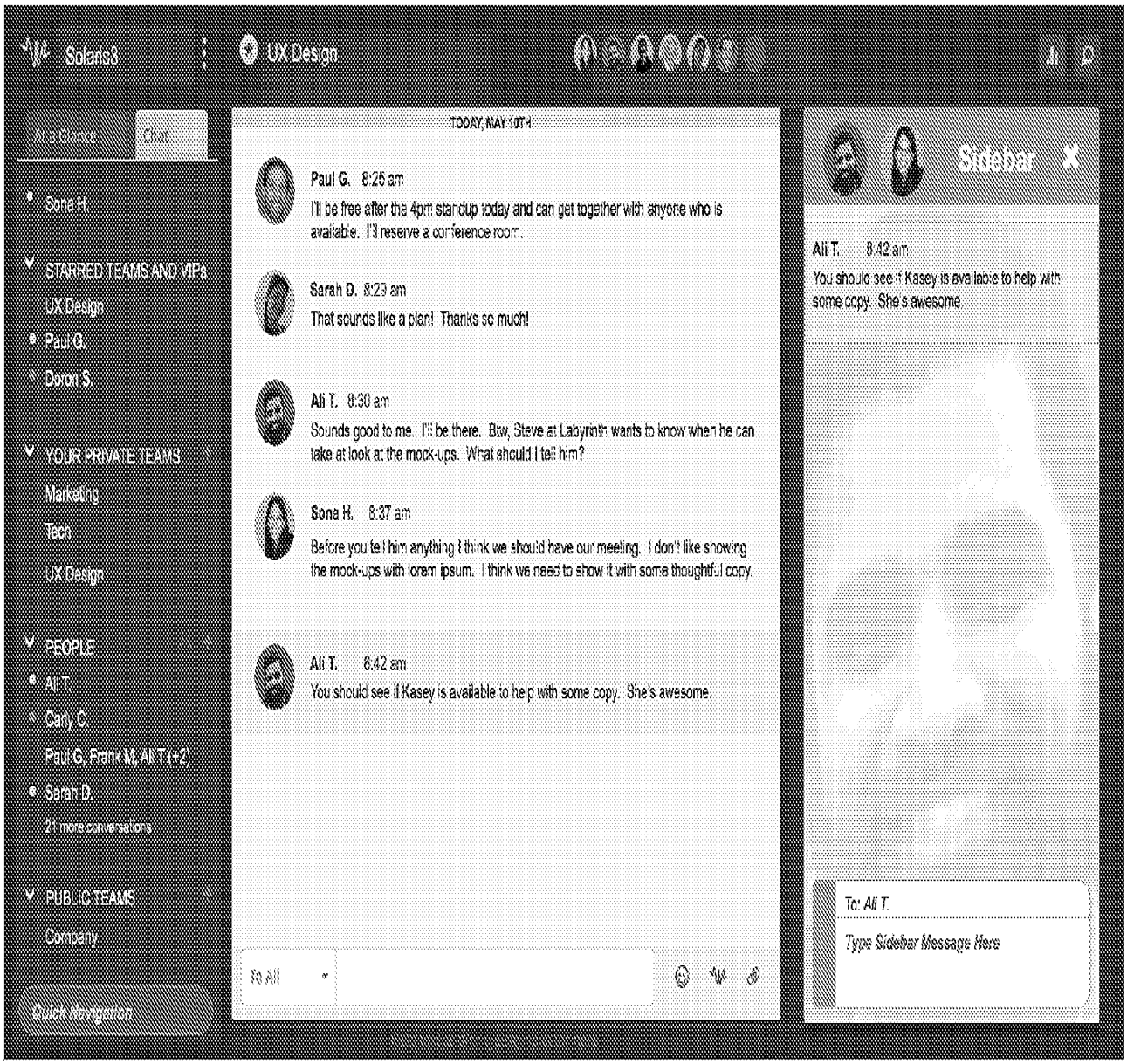



FIG. 10B

RELACEMENT SHEET

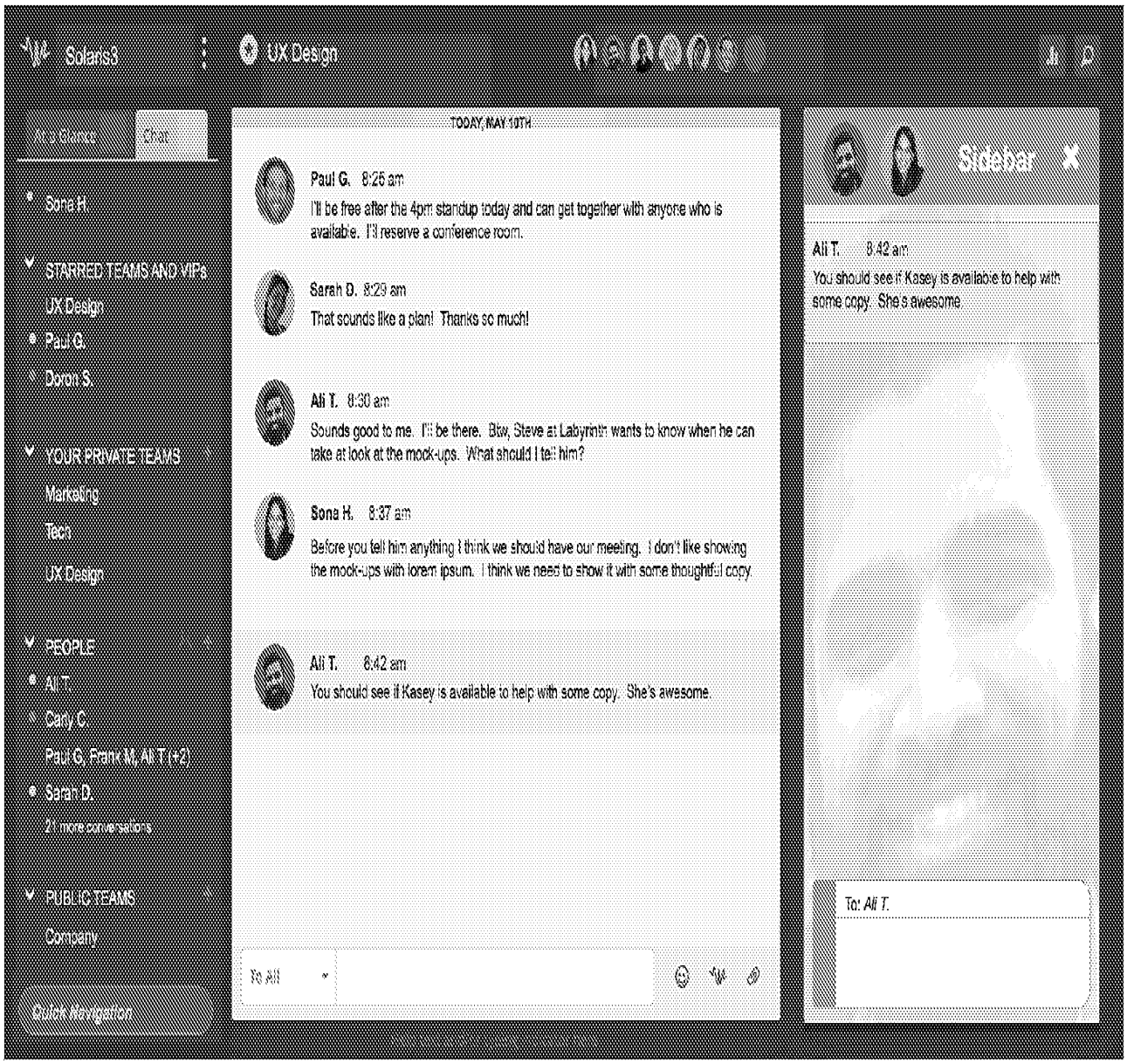



FIG. 10C

RELACEMENT SHEET

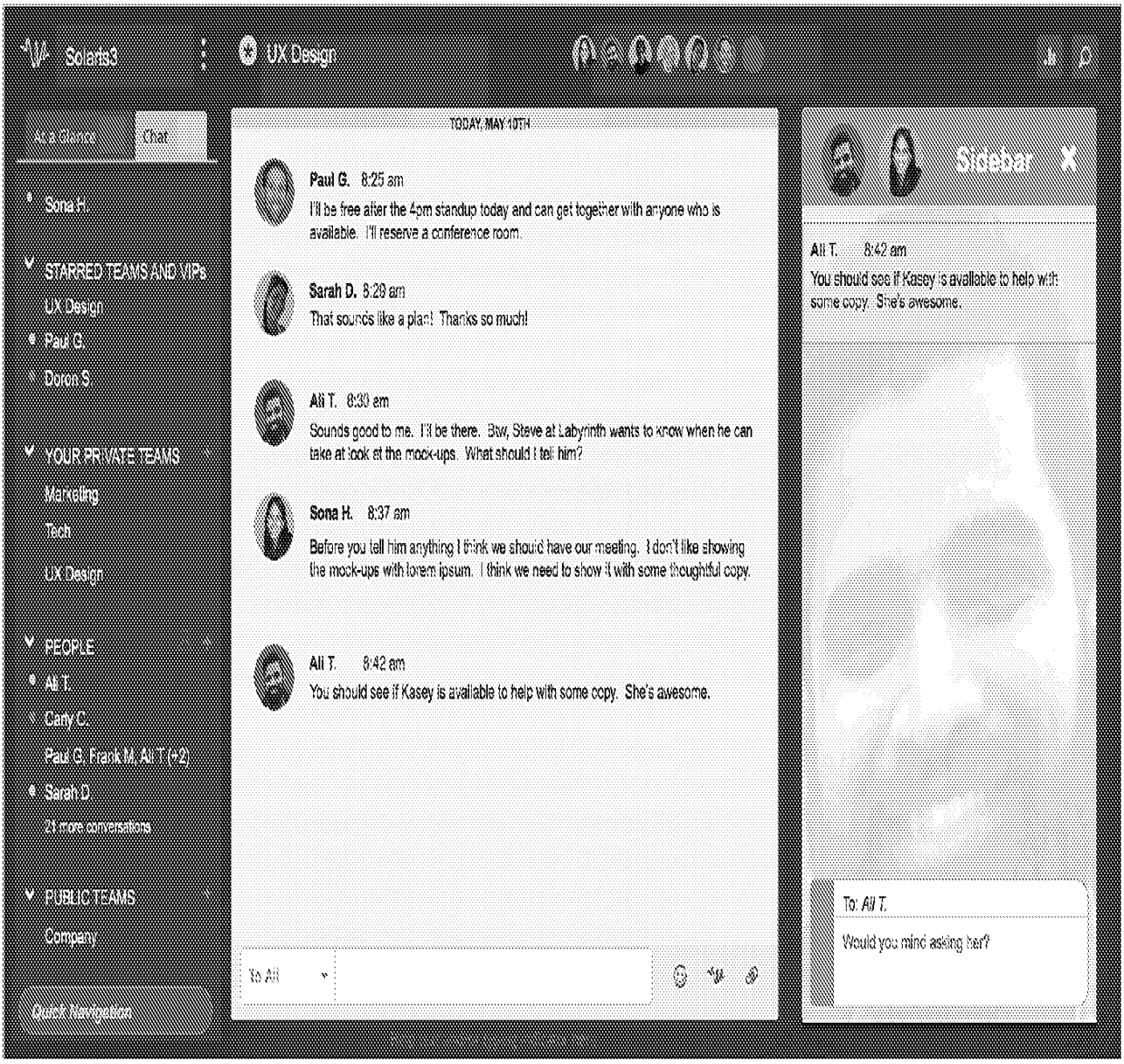



FIG. 10D

RELACEMENT SHEET




FIG. 10E

RELACEMENT SHEET




FIG. 10F

RELACEMENT SHEET

FULL SCREEN VIEW

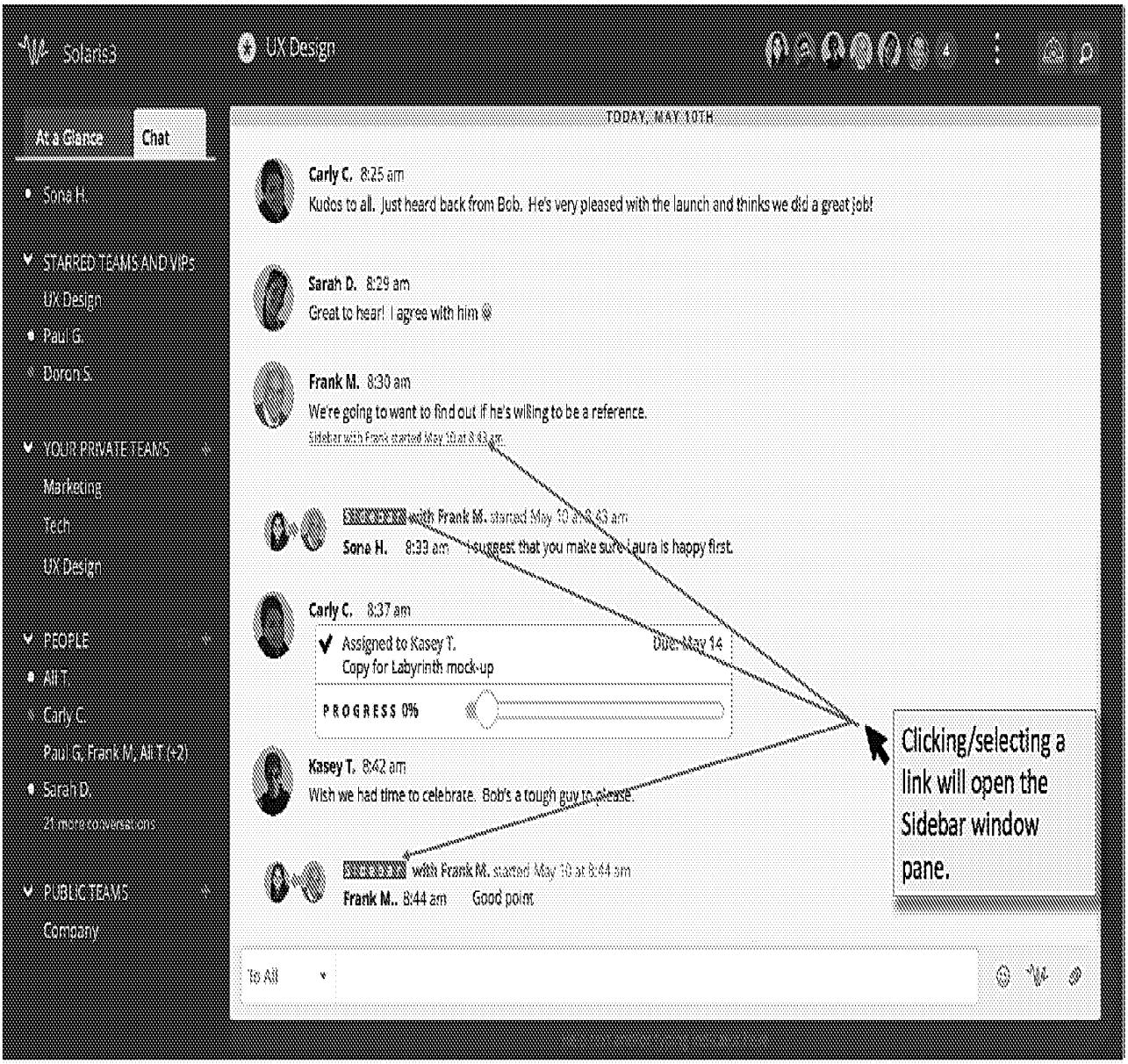



FIG. 10G

RELACEMENT SHEET




FIG. 10H

RELACEMENT SHEET

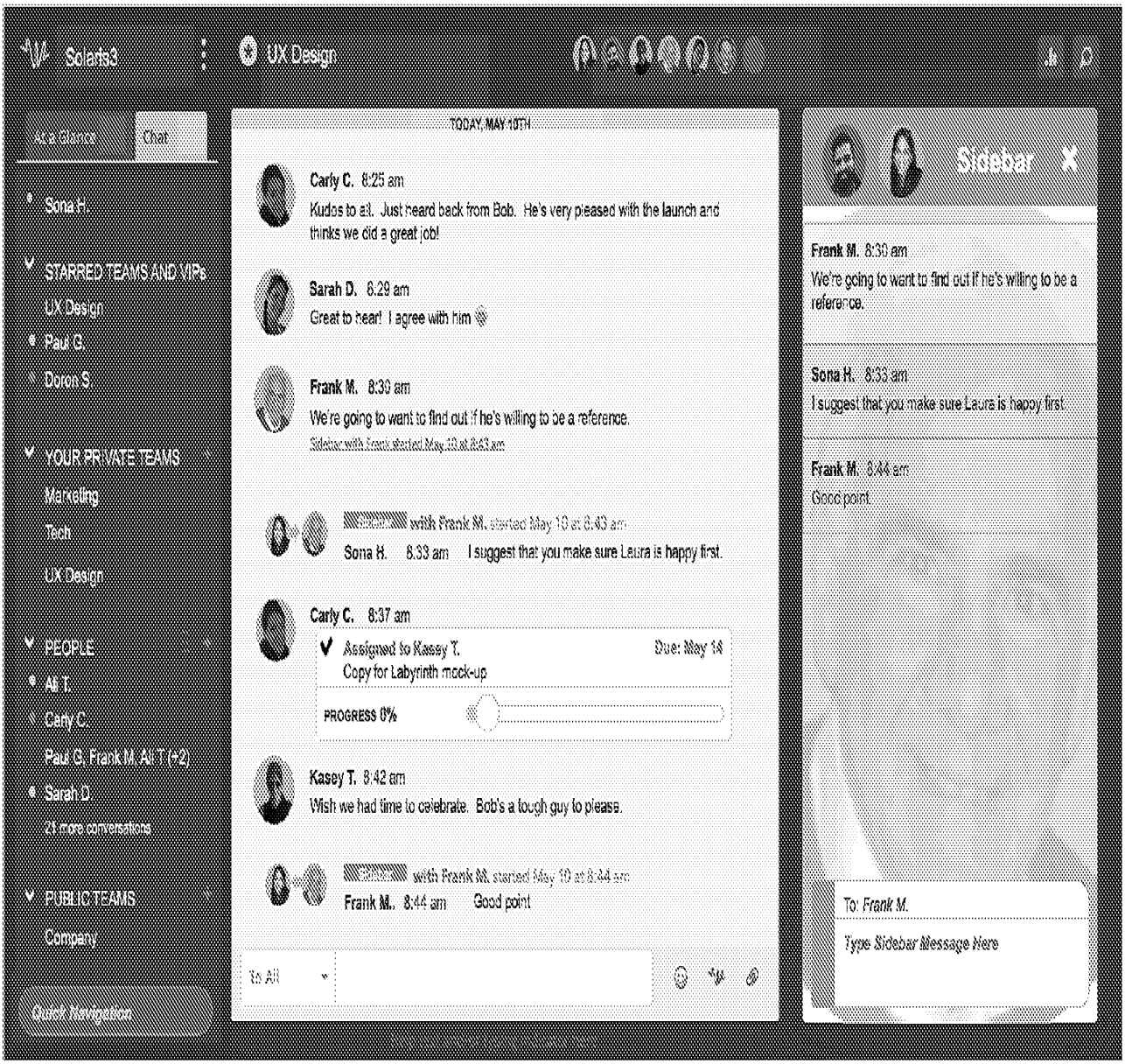



FIG. 10I

RELACEMENT SHEET

DocCode – SCORE

# SCORE Placeholder Sheet for IFW Content

Application Number: 15609663 Document Date: 12/21/2017

The presence of this form in the IFW record indicates that the following document type was received in electronic format on the date identified above. This content is stored in the SCORE database.

Since this was an electronic submission, there is no physical artifact folder, no artifact folder is recorded in PALM, and no paper documents or physical media exist. The TIFF images in the IFW record were created from the original documents that are stored in SCORE.

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Form Revision Date: August 26, 2013

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
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| PATENT APPLICATION FEE DETERMINATION RECORD<br>Substitute for Form PTO-875 | Application or Docket Number<br>15/609,663 | Filing Date<br>05/31/2017 | ☐ 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 | **140** |
| ☐ 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)) | 20 minus 20 = | * 0 | x $40 = | **0** |
| INDEPENDENT CLAIMS (37 CFR 1.16(h)) | 3 minus 3 = | * 0 | x $210 = | **0** |
| ☐ 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 | **140** |

## APPLICATION AS AMENDED – PART II

AMENDMENT **12/21/2017**

| | (Column 1) CLAIMS REMAINING AFTER AMENDMENT | | (Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR | (Column 3) PRESENT EXTRA | RATE ($) | ADDITIONAL FEE ($) |
|---|---|---|---|---|---|---|
| Total (37 CFR 1.16(i)) | * 18 | Minus | ** 20 | = 0 | x $40 = | 0 |
| Independent (37 CFR 1.16(h)) | * 2 | Minus | ***3 | = 0 | x $210 = | 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** |

AMENDMENT

| | (Column 1) CLAIMS REMAINING AFTER AMENDMENT | | (Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR | (Column 3) PRESENT EXTRA | RATE ($) | ADDITIONAL FEE ($) |
|---|---|---|---|---|---|---|
| Total (37 CFR 1.16(i)) | * | Minus | ** | = | x $ = | |
| Independent (37 CFR 1.16(h)) | * | Minus | *** | = | x $ = | |
| ☐ 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.
** 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 number found in the appropriate box in column 1.

LIE
JESSICA GAYNOR

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**
*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|---|---|---|---|
| 15/609,663 | 05/31/2017 | Marc A. COHEN | W1186/20002 | 9243 |

3000 7590 02/07/2018

CAESAR RIVISE, PC
7 Penn Center, 12th Floor
1635 Market Street
Philadelphia, PA 19103-2212

| EXAMINER | |
|---|---|
| DALENCOURT, YVES | |

| ART UNIT | PAPER NUMBER |
|---|---|
| 2457 | |

| NOTIFICATION DATE | DELIVERY MODE |
|---|---|
| 02/07/2018 | 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):

patents@crbcp.com

| Office Action Summary | Application No. 15/609,663 | Applicant(s) COHEN ET AL. | |
|---|---|---|---|
| | Examiner YVES DALENCOURT | Art Unit 2457 | AIA (First Inventor to File) 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 *12/21/2017*.

☐ 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) *1-18* 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) *1-18* 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 _____ 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 _____.

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

4) ☐ Other: _____.

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

## DETAILED ACTION

This office action is responsive to request for continued examination (RCE) filed on 12/21/2017.

### *Continued Examination Under 37 CFR 1.114*

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 12/21/2017 has been entered.

### *Response to Amendment*

The Examiner has acknowledged the amended claims 1 and 10.

### *Response to Arguments*

Applicant’s arguments with respect to claims 1 - 18 have been considered but are moot because the arguments do not apply to any of the references being used in the current rejection.

***Claim Rejections - 35 USC § 103***

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.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied 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.

This application currently names joint inventors. In considering patentability of the claims the examiner presumes that the subject matter of the various claims was commonly owned as of the effective filing date of the claimed invention(s) absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and effective filing dates of each claim that was not commonly owned as of the effective filing date of the later invention in order for the examiner to

consider the applicability of 35 U.S.C. 102(b)(2)(C) for any potential 35 U.S.C. 102(a)(2) prior art against the later invention.

Claims 1 - 18 are rejected under 35 U.S.C. 103 as being unpatentable over Monica Anderson (US 2017/0163594; hereinafter Anderson) in view of Rasmussen et al (US 2014/0067977; hereinafter Ramussen).

Regarding claim 1, Anderson discloses a method of providing messaging (abstract, said method comprising the steps of:

a) providing display of messages exchanged between a plurality of participants (paragraphs [0005 - 0006], [0008]; *Anderson discloses that each **participant** in a particular chat room sees a message window for that chat room. **Participants'** messages appear in the message window in the order that the messages are posted*), wherein said messages are displayed to each of said participants (paragraphs [0006], [0097 – 0099]);

b) receiving designation of one of said messages displayed to each of said plurality of participants as an anchor message (fig.4; paragraphs [0060], [0096 - 0098], ; *Anderson discloses that if a **user** decides to begin tracking the thread at message X, then message X becomes the **anchor message** for the thread of subsequent messages that follow*);

c) permitting a response received to said anchor message from one of said plurality of participants to be provided to and displayed by all others of said plurality of participants (paragraphs [0006], [0008],[0099]; *Anderson discloses that Feedback meter*

*1232 indicates a measure of "spam" votes that are **received in response** to the messages authored by the **user***);

d) providing display of said response (paragraphs [0006], [0024], [0099]; *Anderson discloses that the set of meters that are **displayed** are under the **user's** control*); and

e) receiving at least a further response to said anchor message from at least one of said plurality of participants (paragraph [0067]; Anderson discloses that the chat system attaches to an incoming message a link to the parent message if the incoming message is a **reply** to another message).

Anderson discloses all the limitations, but fails to specifically disclose that wherein at least an excluded one of said plurality of participants is prevented from receiving at least said further response, and wherein said anchor message and said further response are both displayed to indicate that said further response is a response to said anchor message.

Rasmussen, in an analogous art, discloses that wherein at least an excluded one of said plurality of participants is prevented from receiving and displaying at least said further response (paragraphs [0051], [0061 - 0062]; *Rasmussen discloses that each **private conversation** has a set of **participants that excludes** at least one participant in the primary conversation*), and wherein said anchor message and said further response are both displayed to indicate that said further response is a response to said anchor message (paragraphs [0051], [0062]; *Rasmussen discloses that an initial conversation (sometimes called the primary conversation or master conversation) is started among all the participants, and then "**private conversations**" are spawned off*

*the initial conversation to enable participants in each of the teams to communicate privately with other participants of the team, while still having access to all of the content of the initial conversation*).

Thus, it would have been obvious to one of ordinary skill in the art before the effective filing date of the invention to modify the teaching of Anderson by providing that at least an excluded one of said plurality of participants is prevented from receiving at least said further response, and wherein said anchor message and said further response are both displayed to indicate that said further response is a response to said anchor message as evidenced by Rasmussen for the purpose of permitting user(s) to simultaneously form a sidebar or private conversation with one or more participants within the communication session, thereby providing a user friendly messaging system.

Regarding claim 2, Anderson and Rasmussen disclose a method according to claim 1, wherein said anchor message and said response received to said anchor message are simultaneously displayed (Anderson: figs. 10 – 12; paragraphs [0005 - 0006], [0060], [0095 – 0099]).

Regarding claim 3, Anderson and Rasmussen disclose a method according to claim 1, further comprising the step of simultaneously displaying said response and at least said further response (Anderson: figs. 10 – 12; paragraphs [0005 - 0006], [0060], [0095 – 0099]).

Regarding claim 4, Anderson and Rasmussen disclose a method according to claim 1, wherein step c) includes the step of permitting all of said plurality of participants to exchange messages with each other (Anderson: figs. 10 – 12; paragraphs [0006]).

Regarding claim 5, Anderson and Rasmussen disclose a method according to claim 1, wherein said messages exchanged with all of said plurality of participants are displayed below each other as said messages are received (Anderson: figs. 10 – 12; paragraphs [0006]; *Anderson discloses that in a chat client, the newest messages are displayed either at the top or bottom of the message window*).

Regarding claim 6, Anderson and Rasmussen disclose a method according to claim 1, wherein step e) includes the step of exchanging a plurality of further messages between said plurality of participants except for said excluded one of said plurality of participants (paragraphs [0051], [0061 - 0062]; *Rasmussen discloses that each **private conversation** has a set of **participants that excludes** at least one participant in the primary conversation*). Same motivation as in claim 1.

Regarding claim 7, Anderson and Rasmussen disclose a method according to claim 5, wherein step e) includes the step of exchanging a plurality of further messages between said plurality of participants except for said excluded one of said plurality of participants (paragraphs [0051], [0061 - 0062]; *Rasmussen discloses that each **private conversation** has a set of **participants that excludes** at least one participant in the primary conversation*). Same motivation as in claim 1.

Regarding claim 8, Anderson and Rasmussen disclose a method according to claim 6, wherein the plurality of further messages are displayed below each other as said further messages are received (Anderson: figs. 10 – 12; paragraphs [0006]; *Anderson discloses that in a chat client, the newest messages are displayed either at the top or bottom of the message window*).

Regarding claim 9, Anderson and Rasmussen disclose a method according to claim 7, wherein the plurality of further messages are displayed below each other as said further messages are received (Anderson: figs. 10 – 12; paragraphs [0006]; *Anderson discloses that in a chat client, the newest messages are displayed either at the top or bottom of the message window*).

Claims 10 - 18 incorporate substantively all the limitations of claim 1 - 9 in apparatus form, rather than method form. The reasons for rejected claims 1 - 9 apply in claims 10 – 18. Therefore, claims 10 – 18 are rejected for the same reasons.

## ***Conclusion***

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

Lai et al (US 2012/0017149) discloses a video whisper session during online collaborative computing sessions.

## **Contact Information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to YVES DALENCOURT whose telephone number is (571)272-3998. The examiner can normally be reached on M-F 8-5:30.

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

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

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

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

/YVES DALENCOURT/
Primary Examiner, Art Unit 2457

| Notice of References Cited | Application/Control No. 15/609,663 | Applicant(s)/Patent Under Reexamination COHEN ET AL. | |
|---|---|---|---|
| | Examiner YVES DALENCOURT | Art Unit 2457 | 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-2014/0067977 A1 | 03-2014 | Rasmussen; Lars Eilstrup | H04N21/440263 | 709/206 |
| * | B | US-2012/0017149 A1 | 01-2012 | Lai; Jeffrey | H04N7/15 | 715/716 |
| | C | US- | | | | |
| | D | US- | | | | |
| | E | US- | | | | |
| | F | US- | | | | |
| | G | US- | | | | |
| | H | US- | | | | |
| | I | US- | | | | |
| | J | US- | | | | |
| | K | US- | | | | |
| | L | US- | | | | |
| | M | US- | | | | |

**FOREIGN PATENT DOCUMENTS**

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

**NON-PATENT DOCUMENTS**

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

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

| Index of Claims | Application/Control No. | Applicant(s)/Patent Under Reexamination |
|---|---|---|
| | 15609663 | COHEN ET AL. |
| | **Examiner** | **Art Unit** |
| | YVES DALENCOURT | 2457 |

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

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

| CLAIM | | DATE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Final | Original | 07/30/2017 | 11/04/2017 | 02/03/2018 | | | | | | |
| | 1 | ✓ | ✓ | ✓ | | | | | | |
| | 2 | ✓ | ✓ | ✓ | | | | | | |
| | 3 | ✓ | ✓ | ✓ | | | | | | |
| | 4 | ✓ | ✓ | ✓ | | | | | | |
| | 5 | ✓ | ✓ | ✓ | | | | | | |
| | 6 | ✓ | ✓ | ✓ | | | | | | |
| | 7 | ✓ | ✓ | ✓ | | | | | | |
| | 8 | ✓ | ✓ | ✓ | | | | | | |
| | 9 | ✓ | ✓ | ✓ | | | | | | |
| | 10 | ✓ | ✓ | ✓ | | | | | | |
| | 11 | ✓ | ✓ | ✓ | | | | | | |
| | 12 | ✓ | ✓ | ✓ | | | | | | |
| | 13 | ✓ | ✓ | ✓ | | | | | | |
| | 14 | ✓ | ✓ | ✓ | | | | | | |
| | 15 | ✓ | ✓ | ✓ | | | | | | |
| | 16 | ✓ | ✓ | ✓ | | | | | | |
| | 17 | ✓ | ✓ | ✓ | | | | | | |
| | 18 | ✓ | ✓ | ✓ | | | | | | |

| Search Notes | Application/Control No. | Applicant(s)/Patent Under Reexamination |
|---|---|---|
| | 15609663 | COHEN ET AL. |
| | Examiner | Art Unit |
| | YVES DALENCOURT | 2457 |

| CPC- SEARCHED | | |
|---|---|---|
| Symbol | Date | Examiner |
| H04L51/12, H04L51/16 | 07/27/2017 | YD |

| 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 |
| WEST/CPC (text search) | 07/27/2017 | YD |
| WEST/CPC (updated text search) | 11/02/2017 | YD |
| WEST/CPC (updated text search) | 11/04/2017 | YD |
| WEST/CPC (updated text search) | 02/03/2018 | YD |

| INTERFERENCE SEARCH | | | |
|---|---|---|---|
| US Class/ CPC Symbol | US Subclass / CPC Group | Date | Examiner |
| | See WEST/CPC text search | 11/03/2017 | YD |

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| | |

# WEST Search History for Application 15609663

## Creation Date: 2018020323:29

## Prior Art Searches

| Query | DB | Hits | Op. | Plur. | Thes. | Date |
|---|---|---|---|---|---|---|
| **20020095465** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 07-30-2017 |
| **20070185961** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 07-30-2017 |
| **20140219433** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 07-30-2017 |
| **displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 785 | OR | YES | | 07-30-2017 |
| **(displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 ) and exchang$3 adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 175 | OR | YES | | 07-30-2017 |
| **(prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 74 | OR | YES | | 07-30-2017 |
| | | 0 | OR | YES | | 07-30-2017 |

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|---|---|---|---|---|---|---|
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **anchor near message$1 and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **anchor near message$1 and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **anchor near message$1 and (online or internet or social near media) adj7 participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **anchor near message$1 and chat near session$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 33 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and chat near session$1 ) and (prevent$3 or restrict$3 or block$3)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 33 | OR | YES | | 07-30-2017 |
| **displ$3 adj7 anchor near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 47 | OR | YES | | 07-30-2017 |
| **(displ$3 adj7 anchor near message$1 ) and ((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 )** | PGPB, USPT, EPAB, JPAB, | 0 | OR | YES | | 07-30-2017 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(displ$3 adj7 anchor near message$1 ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and anchor near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and first near thread$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and thread$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 29 | OR | YES | | 07-30-2017 |
| **(((H04L51/12))).cpc.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 7555 | OR | YES | | 07-30-2017 |
| **(((H04L51/16))).cpc.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2836 | OR | YES | | 07-30-2017 |
| **20140059586** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 07-30-2017 |
| **20140172427** | | 3 | OR | YES | | 07-30-2017 |

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|---|---|---|---|---|---|---|
| | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(20140172427 ) and displ$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(20140172427 ) and displ$3 adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(20140172427 ) and displ$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 07-30-2017 |
| **anchor near message$1 near response$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 43 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 near response$1 ) and 13** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 38 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 near response$1 and 13 ) and participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 near response$1 and 13 ) and (participant$1 or user$1 or client$1 or device$1)** | PGPB, USPT, EPAB, JPAB, | 33 | OR | YES | | 07-30-2017 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **exclud$3 near4 (participant$1 or user$1 or client$1 or device$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 52129 | OR | YES | | 07-30-2017 |
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) ) and (anchor near message$1 near response$1 and 13 and (participant$1 or user$1 or client$1 or device$1) )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 near response$1 and 13 and (participant$1 or user$1 or client$1 or device$1) ) and provid$3 near3 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 7 | OR | YES | | 07-30-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 and thread$1 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 26 | OR | YES | | 07-30-2017 |
| **(20140219433 ) and displ$5 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(20140219433 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 07-30-2017 |
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 35 | OR | YES | | 07-30-2017 |
| | | 8 | OR | YES | | 07-30-2017 |

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|---|---|---|---|---|---|---|
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) and displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 ) and (anchor near message$1 or thread$3)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) ) and displ$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 33 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 ) and response$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 33 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 ) and participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 33 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and exchang$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and exchang$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and communicat$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 33 | OR | YES | | 07-30-2017 |
| **chat near room near communication$1** | PGPB, USPT, EPAB, JPAB, | 402 | OR | YES | | 07-30-2017 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(chat near room near communication$1 ) and ((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 07-30-2017 |
| **(chat near room near communication$1 ) and displ$3 adj7 (thread or anchor) adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(chat near room near communication$1 ) and displ$3 adj7 (message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 44 | OR | YES | | 07-30-2017 |
| **(chat near room near communication$1 ) and displ$3 adj7 (message$1 and response$1) adj7 simultaneous$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(displ$3 or output$3) adj7 (anchor near message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 572 | OR | YES | | 07-30-2017 |
| **((anchor near message$1 and response$1) ) and (chat near room near communication$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| | | 113 | OR | YES | | 07-30-2017 |

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|---|---|---|---|---|---|---|
| **exchang$3 near message$1 and (chat near room near communication$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(exchang$3 near message$1 and chat near room near communication$1 ) chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 14893 | OR | YES | | 07-30-2017 |
| **(exchang$3 near message$1 and chat near room near communication$1 ) and chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 113 | OR | YES | | 07-30-2017 |
| **(exchang$3 near message$1 and chat near room near communication$1 and chat near room ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 8 | OR | YES | | 07-30-2017 |
| **20020095465** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 11-05-2017 |
| **20070185961** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 11-05-2017 |
| **20140219433** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 11-05-2017 |
| **displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1** | PGPB, USPT, EPAB, JPAB, | 802 | OR | YES | | 11-05-2017 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 ) and exchang$3 adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 178 | OR | YES | | 11-05-2017 |
| **(prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 76 | OR | YES | | 11-05-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **anchor near message$1 and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **anchor near message$1 and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **anchor near message$1 and (online or internet or social near media) adj7 participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **anchor near message$1 and chat near session$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 36 | OR | YES | | 11-05-2017 |
| | | 36 | OR | YES | | 11-05-2017 |

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|---|---|---|---|---|---|---|
| **(anchor near message$1 and chat near session$1 ) and (prevent$3 or restrict$3 or block$3)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **displ$3 adj7 anchor near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 51 | OR | YES | | 11-05-2017 |
| **(displ$3 adj7 anchor near message$1 ) and ((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **(displ$3 adj7 anchor near message$1 ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and anchor near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and first near thread$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and thread$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 30 | OR | YES | | 11-05-2017 |
| **(((((((((H04L51/12)))))))))).cpc.** | PGPB, USPT, EPAB, JPAB, | 7803 | OR | YES | | 11-05-2017 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| (((((((((**H04L51/16**))))))))).**cpc.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3045 | OR | YES | | 11-05-2017 |
| **20140059586** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 11-05-2017 |
| **20140172427** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 11-05-2017 |
| **(20140172427 ) and displ$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **(20140172427 ) and displ$3 adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **(20140172427 ) and displ$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **anchor near message$1 near response$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 48 | OR | YES | | 11-05-2017 |
| | | 42 | OR | YES | | 11-05-2017 |

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|---|---|---|---|---|---|---|
| **(anchor near message$1 near response$1 ) and 13** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(anchor near message$1 near response$1 and 13 ) and participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **(anchor near message$1 near response$1 and 13 ) and (participant$1 or user$1 or client$1 or device$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 37 | OR | YES | | 11-05-2017 |
| **exclud$3 near4 (participant$1 or user$1 or client$1 or device$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 53938 | OR | YES | | 11-05-2017 |
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) ) and (anchor near message$1 near response$1 and 13 and (participant$1 or user$1 or client$1 or device$1) )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **(anchor near message$1 near response$1 and 13 and (participant$1 or user$1 or client$1 or device$1) ) and provid$3 near3 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 8 | OR | YES | | 11-05-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 and thread$1 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 27 | OR | YES | | 11-05-2017 |
| **(20140219433 ) and displ$5 near message$1** | PGPB, USPT, EPAB, JPAB, | 0 | OR | YES | | 11-05-2017 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(20140219433 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 11-05-2017 |
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 37 | OR | YES | | 11-05-2017 |
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) and displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 ) and (anchor near message$1 or thread$3)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 9 | OR | YES | | 11-05-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) ) and displ$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 36 | OR | YES | | 11-05-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 ) and response$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 36 | OR | YES | | 11-05-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 ) and participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 36 | OR | YES | | 11-05-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and exchang$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 11-05-2017 |
| | | 2 | OR | YES | | 11-05-2017 |

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| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and exchang$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and communicat$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 36 | OR | YES | | 11-05-2017 |
| **chat near room near communication$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 415 | OR | YES | | 11-05-2017 |
| **(chat near room near communication$1 ) and ((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 11-05-2017 |
| **(chat near room near communication$1 ) and displ$3 adj7 (thread or anchor) adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **(chat near room near communication$1 ) and displ$3 adj7 (message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 47 | OR | YES | | 11-05-2017 |
| **(chat near room near communication$1 ) and displ$3 adj7 (message$1 and response$1) adj7 simultaneous$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **(displ$3 or output$3) adj7 (anchor near message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, | 5 | OR | YES | | 11-05-2017 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(anchor near message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 590 | OR | YES | | 11-05-2017 |
| **((anchor near message$1 and response$1) ) and (chat near room near communication$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 11-05-2017 |
| **exchang$3 near message$1 and (chat near room near communication$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 117 | OR | YES | | 11-05-2017 |
| **(exchang$3 near message$1 and chat near room near communication$1 ) chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 15219 | OR | YES | | 11-05-2017 |
| **(exchang$3 near message$1 and chat near room near communication$1 ) and chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 117 | OR | YES | | 11-05-2017 |
| **(exchang$3 near message$1 and chat near room near communication$1 and chat near room ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 8 | OR | YES | | 11-05-2017 |
| **20170163594** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 11-05-2017 |
| **(20170163594 ) and virtual** | | 0 | OR | YES | | 11-05-2017 |

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| | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(20170163594 ) and online** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **virtual near online near meeting ear room or chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3271029 | OR | YES | | 11-05-2017 |
| **virtual near online near meeting near room or chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 15220 | OR | YES | | 11-05-2017 |
| **(virtual near online near meeting near room or chat near room ) and communicat$3 near (user$1 or client$1 or person$1 or friend$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 6158 | OR | YES | | 11-05-2017 |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) ) and (receiv$3 adj7 external near message$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 16 | OR | YES | | 11-05-2017 |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) and (receiv$3 adj7 external near message$1) ) and portion** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 12 | OR | YES | | 11-05-2017 |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) and (receiv$3 adj7 external near message$1)** | PGPB, USPT, EPAB, JPAB, | 0 | OR | YES | | 11-05-2017 |

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| **and portion ) and shar$3 near message$1** | DWPI, TDBD | | | | | |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) ) and shar$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 299 | OR | YES | | 11-05-2017 |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) and shar$3 near message$1 ) and (prevent$3 or restrict$3 or block$3) adj7 sharing** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 21 | OR | YES | | 11-05-2017 |
| **shar$5 adj7 portion adj7 receiv$3 adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 17 | OR | YES | | 11-05-2017 |
| **(shar$5 adj7 portion adj7 receiv$3 adj7 message$1 ) and virtual near community$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **(shar$5 adj7 portion adj7 receiv$3 adj7 message$1 ) and virtual adj7 chat adj7 room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **(shar$5 adj7 portion adj7 receiv$3 adj7 message$1 ) and virtual** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 8 | OR | YES | | 11-05-2017 |
| **virtual near online near meeting near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 6 | OR | YES | | 11-05-2017 |
| **20100124322** | | 3 | OR | YES | | 11-05-2017 |

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| | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **20150280988** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 11-05-2017 |
| **20170163594** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 11-05-2017 |
| **(20170163594 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 11-05-2017 |
| **(20170163594 and displ$5 ) and anchor** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **(20170163594 and displ$5 and anchor ) and participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **7945620.pn.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 11-05-2017 |
| **(7945620.pn. ) and anchor** | PGPB, USPT, EPAB, JPAB, | 0 | OR | YES | | 11-05-2017 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(7945620.pn. ) and private near chat** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 11-05-2017 |
| **20020095465** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **20070185961** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 02-03-2018 |
| **20140219433** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 02-03-2018 |
| **displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 821 | OR | YES | | 02-03-2018 |
| **(displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 ) and exchang$3 adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 185 | OR | YES | | 02-03-2018 |
| **(prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 77 | OR | YES | | 02-03-2018 |
| | | 0 | OR | YES | | 02-03-2018 |

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| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **anchor near message$1 and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **anchor near message$1 and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **anchor near message$1 and (online or internet or social near media) adj7 participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **anchor near message$1 and chat near session$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 38 | OR | YES | | 02-03-2018 |
| **(anchor near message$1 and chat near session$1 ) and (prevent$3 or restrict$3 or block$3)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 38 | OR | YES | | 02-03-2018 |
| **displ$3 adj7 anchor near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 52 | OR | YES | | 02-03-2018 |
| **(displ$3 adj7 anchor near message$1 ) and ((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 )** | PGPB, USPT, EPAB, JPAB, | 1 | OR | YES | | 02-03-2018 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(displ$3 adj7 anchor near message$1 ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and anchor near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and first near thread$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and thread$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 31 | OR | YES | | 02-03-2018 |
| **((((((((((H04L51/12)))))))))).cpc.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 8022 | OR | YES | | 02-03-2018 |
| **((((((((((H04L51/16)))))))))).cpc.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3251 | OR | YES | | 02-03-2018 |
| **20140059586** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 02-03-2018 |
| **20140172427** | | 3 | OR | YES | | 02-03-2018 |

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| | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(20140172427 ) and displ$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **(20140172427 ) and displ$3 adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **(20140172427 ) and displ$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 02-03-2018 |
| **anchor near message$1 near response$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 52 | OR | YES | | 02-03-2018 |
| **(anchor near message$1 near response$1 ) and 13** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 46 | OR | YES | | 02-03-2018 |
| **(anchor near message$1 near response$1 and 13 ) and participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **(anchor near message$1 near response$1 and 13 ) and (participant$1 or user$1 or client$1 or device$1)** | PGPB, USPT, EPAB, JPAB, | 41 | OR | YES | | 02-03-2018 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **exclud$3 near4 (participant$1 or user$1 or client$1 or device$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 55514 | OR | YES | | 02-03-2018 |
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) ) and (anchor near message$1 near response$1 and 13 and (participant$1 or user$1 or client$1 or device$1) )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **(anchor near message$1 near response$1 and 13 and (participant$1 or user$1 or client$1 or device$1) ) and provid$3 near3 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 8 | OR | YES | | 02-03-2018 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 and thread$1 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 28 | OR | YES | | 02-03-2018 |
| **(20140219433 ) and displ$5 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **(20140219433 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 02-03-2018 |
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 42 | OR | YES | | 02-03-2018 |
| | | 12 | OR | YES | | 02-03-2018 |

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| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) and displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 ) and (anchor near message$1 or thread$3)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) ) and displ$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 38 | OR | YES | | 02-03-2018 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 ) and response$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 38 | OR | YES | | 02-03-2018 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 ) and participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 38 | OR | YES | | 02-03-2018 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and exchang$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 02-03-2018 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and exchang$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 02-03-2018 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and communicat$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 38 | OR | YES | | 02-03-2018 |
| **chat near room near communication$1** | PGPB, USPT, EPAB, JPAB, | 421 | OR | YES | | 02-03-2018 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(chat near room near communication$1 ) and ((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 4 | OR | YES | | 02-03-2018 |
| **(chat near room near communication$1 ) and displ$3 adj7 (thread or anchor) adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 02-03-2018 |
| **(chat near room near communication$1 ) and displ$3 adj7 (message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 49 | OR | YES | | 02-03-2018 |
| **(chat near room near communication$1 ) and displ$3 adj7 (message$1 and response$1) adj7 simultaneous$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **(displ$3 or output$3) adj7 (anchor near message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 5 | OR | YES | | 02-03-2018 |
| **(anchor near message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 606 | OR | YES | | 02-03-2018 |
| **((anchor near message$1 and response$1) ) and (chat near room near communication$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 02-03-2018 |
| | | 120 | OR | YES | | 02-03-2018 |

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| **exchang$3 near message$1 and (chat near room near communication$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(exchang$3 near message$1 and chat near room near communication$1 ) chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 15506 | OR | YES | | 02-03-2018 |
| **(exchang$3 near message$1 and chat near room near communication$1 ) and chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 120 | OR | YES | | 02-03-2018 |
| **(exchang$3 near message$1 and chat near room near communication$1 and chat near room ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 8 | OR | YES | | 02-03-2018 |
| **20170163594** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 02-03-2018 |
| **(20170163594 ) and virtual** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **(20170163594 ) and online** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **virtual near online near meeting ear room or chat near room** | PGPB, USPT, EPAB, JPAB, | 3333991 | OR | YES | | 02-03-2018 |

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| | DWPI, TDBD | | | | | |
| **virtual near online near meeting near room or chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 15507 | OR | YES | | 02-03-2018 |
| **(virtual near online near meeting near room or chat near room ) and communicat$3 near (user$1 or client$1 or person$1 or friend$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 6293 | OR | YES | | 02-03-2018 |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) ) and (receiv$3 adj7 external near message$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 18 | OR | YES | | 02-03-2018 |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) and (receiv$3 adj7 external near message$1) ) and portion** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 13 | OR | YES | | 02-03-2018 |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) and (receiv$3 adj7 external near message$1) and portion ) and shar$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 02-03-2018 |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) ) and shar$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 305 | OR | YES | | 02-03-2018 |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) and shar$3 near message$1 ) and (prevent$3 or restrict$3 or block$3) adj7 sharing** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 21 | OR | YES | | 02-03-2018 |
| | | 18 | OR | YES | | 02-03-2018 |

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| **shar$5 adj7 portion adj7 receiv$3 adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(shar$5 adj7 portion adj7 receiv$3 adj7 message$1 ) and virtual near community$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **(shar$5 adj7 portion adj7 receiv$3 adj7 message$1 ) and virtual adj7 chat adj7 room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **(shar$5 adj7 portion adj7 receiv$3 adj7 message$1 ) and virtual** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 9 | OR | YES | | 02-03-2018 |
| **virtual near online near meeting near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 7 | OR | YES | | 02-03-2018 |
| **20100124322** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 02-03-2018 |
| **20150280988** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 02-03-2018 |
| **20170163594** | PGPB, USPT, EPAB, JPAB, | 3 | OR | YES | | 02-03-2018 |

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| | DWPI, TDBD | | | | | |
| **(20170163594 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 02-03-2018 |
| **(20170163594 and displ$5 ) and anchor** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **(20170163594 and displ$5 and anchor ) and participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **7945620.pn.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **(7945620.pn. ) and anchor** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **(7945620.pn. ) and private near chat** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **7945620.PN.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **9882846.PN.** | | 2 | OR | YES | | 02-03-2018 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(private or sidebar) adj7 (chat or conversation)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 4697 | OR | YES | | 02-03-2018 |
| **(anchor near message$1 near response$1 ) and ((private or sidebar) adj7 (chat or conversation) )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **((private or sidebar) adj7 (chat or conversation) ) and anchor near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 4 | OR | YES | | 02-03-2018 |
| **20120017149** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **(20120017149 ) and whisper$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **((private or sidebar) adj7 (chat or conversation) ) and (whisper$3 near conversation or sidebar near conversation)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 147 | OR | YES | | 02-03-2018 |
| **(private or sidebar or whisper$3) adj7 (chat or conversation or dialog)** | PGPB, USPT, EPAB, JPAB, | 5244 | OR | YES | | 02-03-2018 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **((private or sidebar or whisper$3) adj7 (chat or conversation or dialog) ) and ((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 11 | OR | YES | | 02-03-2018 |
| **((private or sidebar or whisper$3) adj7 (chat or conversation or dialog) and (prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and dipl$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **((private or sidebar or whisper$3) adj7 (chat or conversation or dialog) and (prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 8 | OR | YES | | 02-03-2018 |
| **((private or sidebar or whisper$3) adj7 (chat or conversation or dialog) and (prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 and displ$5 ) and thread** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 02-03-2018 |
| **((private or sidebar or whisper$3) adj7 (chat or conversation or dialog) and (prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 and displ$5 ) and anchor** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **20120017149** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**
**PATENT EXAMINING OPERATION**

First Named Inventor: Marc A. COHEN

Serial No: 15/609,663 Group Art Unit: 2457

Filed: May 31, 2017 Examiner: Yves Dalencourt

Att. Docket No.: W1186/20002 Confirmation No.: 9243

For: MESSAGING APPARATUS AND METHOD THEREOF

## REQUEST FOR RECONSIDERATION

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

Commissioner:

## INTRODUCTORY COMMENTS

In response to the Non-Final Office Action dated February 7, 2018, favorable reconsideration is respectfully requested in view of the Remarks/Arguments, which begin on page 2 of this paper.

**CERTIFICATE OF MAILING/TRANSMISSION PURSUANT TO 37 CFR 1.8**
I hereby certify that this correspondence and any attachments referenced therein is/are being mailed/transmitted to the USPTO by: (A) first class U.S. mail with sufficient postage (37 CFR § 1.1(a)); (B) facsimile (37 CFR § 1.6 (d)); or (C) EFS-Web (37 CFR § 1.6(a)(4)) on the date shown below.

Date: 2/15/2018 Signature: /lawrence e ashery/

Name: Lawrence E. Ashery

## REMARKS/ARGUMENTS

Claims 1 – 18 have been rejected under 35 U.S.C. 103 as being unpatentable over Anderson (US 2017/0163594) in view of Rasmussen (US 2014/0067977). The rejection is respectfully traversed.

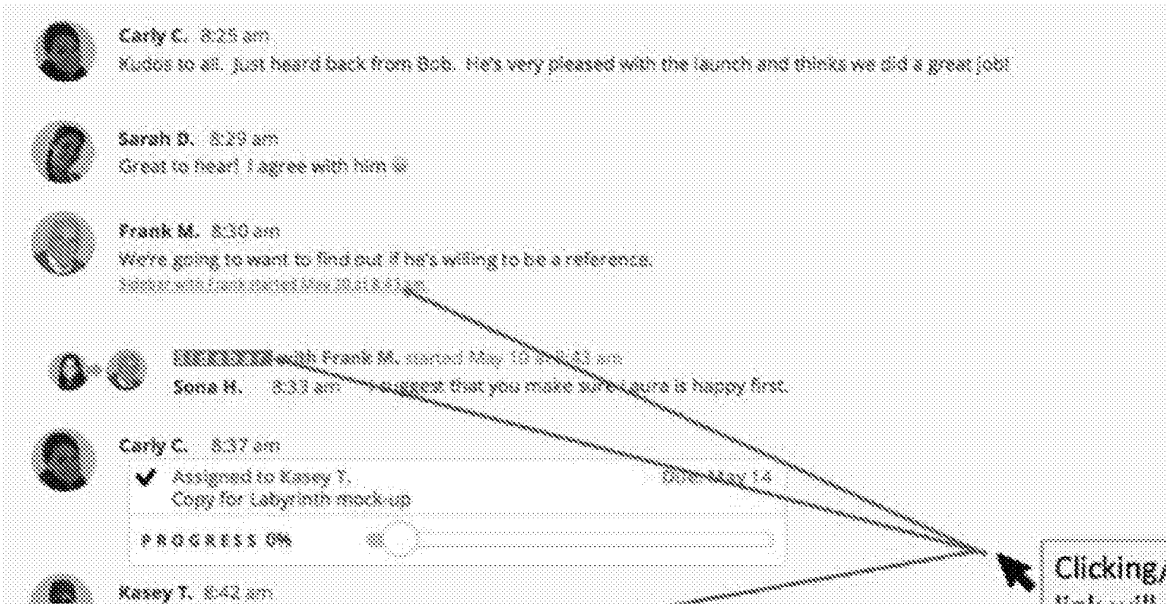
Anderson is previously of record. Rasmussen is newly cited. Rasmussen was cited for the purpose of rejecting Applicant's claims that include the features of "at least an excluded one of said plurality of participants is prevented from receiving at least said further response, and wherein said anchor message and said further response are both displayed to indicate that said further response is a response to said anchor message" (Office Action, page 5, middle paragraph). The Office Action specifically states that Anderson "fails to specifically disclose" the above claimed feature.

Applicant's claimed anchor message is recited in claim 1 as receiving two responses, a first response that can be seen by all participants in a group message chat session, and a second response that can only be seen by participants (with at least one of the group message participants excluded) in a private chat session. Applicant's claim 1 also recites that the anchor message and the further response are displayed to indicate that the further response is a reply to the anchor message.

In order to reject the claim, the prior art would need to show the aforementioned features.

Applicant has specifically claimed an anchor message as reciting the two types of replies described above. The first type of reply is defined (in part) by the claim language "permitting a response received to said anchor message ....to be...displayed…" The second type of reply is defined (in part) by the claim language "receiving at least a further response to said anchor message…wherein said anchor message and said further response are both displayed to indicate that said further response is a response to said anchor message".

The above features are illustrated in Applicant's Fig. 10G:




In the above example, the Frank M. 8:30 am message is the anchor message. The Carly C. 8:37 am message is a reply to the anchor message that all participants in the main channel can see. The Sona H. 8:33 am message is a reply to the anchor message that is restricted to participants in the side bar.

Rassmusen discloses at paragraph [0051] that "…an initial conversation … is started among all the participants," and then "private conversations" are spawned off. But Rassmusen has no disclosure of the private conversation that is spawned off including an anchor message. At no time does Rassmusen disclose that an anchor message that receives a response that is displayed "by all others of said plurality of participants" also receives a further response "from at least one of said …participants, wherein … an excluded one of said … participants is prevented from receiving and displaying at least said further response…" In other words, Rassmusen fails to disclose a message that meets the definition of 'anchor message" recited in claim 1.

Thus, although page 5 of the Office Action states that paragraphs 0051 and 0062 of Rasmussen discloses "wherein said anchor message and said further response are both displayed to indicate that said further response is a response to said anchor message," Applicant respectfully disagrees, because claim 1 defines "anchor message" as receiving two responses, one from the plurality of participants (all the participants see the response), and one from the plurality of participants (an excluded one of the participants is prevented from seeing the response), and such an "anchor message" is lacking from Rassmusen.

The Office Action's reliance on Rassmusen is identical to the Office Action's previous reliance on Bou-Ghannam (in the 103 rejection of November 9, 2017). Bou-Ghannam also spawns off a separate private conversation, but the private conversation does not include an "anchor message" either. Thus, the present rejection is traversed for reasons similar to the previous traversal of the rejection based on Bou-Ghannam.

Applicant also respectfully disagrees with the Office Action regarding Anderson disclosing Applicant's claimed feature of "receiving at least a further response to said anchor message from at least one of said plurality of participants." The Office Action states that Anderson discloses a "link" between two messages, but this does not imply that Anderson discloses an anchor message that receives two SEPARATE replies – the claimed first message in the main channel and the claimed second message in the sidebar.

Claim 10, while not identical to claim 1, is also patentable over the art of record for reasons similar to those set forth above with regard to claim 1.

The remaining claims are patentable by virtue of their dependency on allowable independent claims.

This application is in condition for allowance which action is respectfully requested.

Respectfully submitted,
CAESAR RIVISE, PC

February 15, 2018

By /lawrence e ashery/
Lawrence E. Ashery
Registration No. 34,515
Customer No. 03000
(215) 567-2010
Attorneys for Applicants

Please charge or credit our Account No. 03-0075 as necessary to effect entry and/or ensure consideration of this submission.

| Electronic Acknowledgement Receipt | |
|---|---|
| **EFS ID:** | 31803803 |
| **Application Number:** | 15609663 |
| **International Application Number:** | |
| **Confirmation Number:** | 9243 |
| **Title of Invention:** | MESSAGING APPARATUS AND METHOD THEREOF |
| **First Named Inventor/Applicant Name:** | Marc A. COHEN |
| **Customer Number:** | 3000 |
| **Filer:** | Lawrence E. Ashery/Lauren Donaghy |
| **Filer Authorized By:** | Lawrence E. Ashery |
| **Attorney Docket Number:** | W1186/20002 |
| **Receipt Date:** | 15-FEB-2018 |
| **Filing Date:** | 31-MAY-2017 |
| **Time Stamp:** | 14:42:45 |
| **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 | | W118620002_RequestForReconsideration_20180215.PDF | 242343<br>e0761bd48271c8002b50c11ca210f6eff435cfe1 | yes | 5 |

| | Multipart Description/PDF files in .zip description | | |
|---|---|---|---|
| | **Document Description** | **Start** | **End** |
| | Amendment/Req. Reconsideration-After Non-Final Reject | 1 | 1 |
| | Applicant Arguments/Remarks Made in an Amendment | 2 | 5 |
| **Warnings:** | | | |
| **Information:** | | | |
| | **Total Files Size (in bytes):** | 242343 | |

**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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# NOTICE OF ALLOWANCE AND FEE(S) DUE

3000 7590 05/23/2018

CAESAR RIVISE, PC
7 Penn Center, 12th Floor
1635 Market Street
Philadelphia, PA 19103-2212

| EXAMINER |
|---|
| DALENCOURT, YVES |

| ART UNIT | PAPER NUMBER |
|---|---|
| 2457 | |

DATE MAILED: 05/23/2018

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|---|---|---|---|
| 15/609,663 | 05/31/2017 | Marc A. COHEN | W1186/20002 | 9243 |

TITLE OF INVENTION: MESSAGING APPARATUS AND METHOD THEREOF

| APPLN. TYPE | ENTITY STATUS | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|---|---|---|---|---|---|---|
| nonprovisional | SMALL | $500 | $0 | $0 | $500 | 08/23/2018 |

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

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

**HOW TO REPLY TO THIS NOTICE:**

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

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

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

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

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

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

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

## PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail** **Mail Stop ISSUE FEE**
**Commissioner for Patents**
**P.O. Box 1450**
**Alexandria, Virginia 22313-1450**
**or Fax (571)-273-2885**

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

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

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Philadelphia, PA 19103-2212

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 facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

| |
|---|
| (Depositor's name) |
| (Signature) |
| (Date) |

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|---|---|---|---|
| 15/609,663 | 05/31/2017 | Marc A. COHEN | W1186/20002 | 9243 |

TITLE OF INVENTION: MESSAGING APPARATUS AND METHOD THEREOF

| APPLN. TYPE | ENTITY STATUS | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|---|---|---|---|---|---|---|
| nonprovisional | SMALL | $500 | $0 | $0 | $500 | 08/23/2018 |

| EXAMINER | ART UNIT | CLASS-SUBCLASS |
|---|---|---|
| DALENCOURT, YVES | 2457 | 709-206000 |

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

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

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 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 has been filed for recordation as set forth in 37 CFR 3.11. 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. The following fee(s) are submitted:

❑ Issue Fee

❑ Publication Fee (No small entity discount permitted)

❑ Advance Order - # of Copies _____

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

❑ A check is enclosed.

❑ Payment by credit card. Form PTO-2038 is attached.

❑ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

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. _____



PTOL-85 Part B (10-13) Approved for use through 10/31/2013. OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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3000 7590 05/23/2018

CAESAR RIVISE, PC
7 Penn Center, 12th Floor
1635 Market Street
Philadelphia, PA 19103-2212

| EXAMINER | |
|---|---|
| DALENCOURT, YVES | |
| ART UNIT | PAPER NUMBER |
| 2457 | |

DATE MAILED: 05/23/2018

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

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

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

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

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

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

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 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, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## Privacy Act Statement

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

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

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

| Notice of Allowability | Application No. 15/609,663 | Applicant(s) COHEN ET AL. | |
|---|---|---|---|
| | Examiner YVES DALENCOURT | Art Unit 2457 | AIA (First Inventor to File) 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 *amendment filed on 02/15/2018*.
   ☐ 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 *1-18*. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   **Certified copies:**

   a) ☐ All b) ☐ Some *c) ☐ None of the:
   1. ☐ Certified copies of the priority documents have been received.
   2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

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

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

   **Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

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

/YVES DALENCOURT/
Primary Examiner, Art Unit 2457

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

## DETAILED ACTION

This office action is responsive to amendment filed on 02/15/2018.

### *Amendment*

The Examiner has acknowledged Applicant's amendment.

### *Response to Arguments*

Applicant's arguments, see amendment, filed on 02/15/2018, with respect to claims 1 - 18 have been fully considered and are persuasive. The rejection of claims 1 - 18 has been withdrawn.

### Reasons for Allowance

*This communication warrants no Examiner's reason for allowance, as Applicant's reply makes evident the reason for allowance, satisfying the record as whole as required by rule 37 CFR 1.104 (e). In this case, the substance of applicant's remarks with respect to the amended claims filed on 02/15/2018 point out the reason claims are patentable over the prior art of record. Thus, the reason for allowance is in all probability evident from the record and no statement for examiner's reason for allowance is necessary (see MPEP 13202.14).*

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."

**Contact Information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to YVES DALENCOURT whose telephone number is (571)272-3998. The examiner can normally be reached on M-F 8-5:30.

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

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

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

/YVES DALENCOURT/
Primary Examiner, Art Unit 2457

UNITED STATES PATENT AND TRADEMARK OFFICE

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Address: COMMISSIONER FOR PATENTS
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www.uspto.gov

# BIB DATA SHEET

**CONFIRMATION NO. 9243**

| SERIAL NUMBER | FILING or 371(c) DATE<br>RULE | CLASS | GROUP ART UNIT | ATTORNEY DOCKET NO. |
|---|---|---|---|---|
| 15/609,663 | 05/31/2017 | 709 | 2457 | W1186/20002 |

**APPLICANTS**
Wrinkl, Inc., Sands Point, NY;

**INVENTORS**
Marc A. COHEN, Blue Bell, PA;
Erik S. KATZ, Sands Point, NY;
Jeffrey A. COHEN, Blue Bell, PA;

**** CONTINUING DATA **********************
This application is a CON of 15/293,620 10/14/2016 PAT 9712466
which claims benefit of 62/358,719 07/06/2016
and claims benefit of 62/253,229 11/10/2015

**** FOREIGN APPLICATIONS **********************

**** IF REQUIRED, FOREIGN FILING LICENSE GRANTED **** ** SMALL ENTITY **
06/08/2017

| Foreign Priority claimed | 35 USC 119(a-d) conditions met | Verified and Acknowledged | Met after Allowance | STATE OR COUNTRY | SHEETS DRAWINGS | TOTAL CLAIMS | INDEPENDENT CLAIMS |
|---|---|---|---|---|---|---|---|
| ❑ Yes ☑ No | ❑ Yes ☑ No | /YVES DALENCOURT/ Examiner's Signature | ❑ Initials | PA | 26 | 18 | 2 |

**ADDRESS**
CAESAR RIVISE, PC
7 Penn Center, 12th Floor
1635 Market Street
Philadelphia, PA 19103-2212
UNITED STATES

**TITLE**
MESSAGING APPARATUS AND METHOD THEREOF

| FILING FEE RECEIVED | FEES: Authority has been given in Paper | |
|---|---|---|
| 730 | No._____ to charge/credit DEPOSIT ACCOUNT<br>No._____ for following: | ❑ All Fees<br>❑ 1.16 Fees (Filing)<br>❑ 1.17 Fees (Processing Ext. of time)<br>❑ 1.18 Fees (Issue)<br>❑ Other _____<br>❑ Credit |

| Index of Claims | Application/Control No. | Applicant(s)/Patent Under Reexamination |
|---|---|---|
| | 15609663 | COHEN ET AL. |
| | **Examiner** | **Art Unit** |
| | YVES DALENCOURT | 2457 |

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

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

| CLAIM | | DATE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Final | Original | 07/30/2017 | 11/04/2017 | 02/03/2018 | 04/29/2018 | | | | | |
| | 1 | ✓ | ✓ | ✓ | = | | | | | |
| | 2 | ✓ | ✓ | ✓ | = | | | | | |
| | 3 | ✓ | ✓ | ✓ | = | | | | | |
| | 4 | ✓ | ✓ | ✓ | = | | | | | |
| | 5 | ✓ | ✓ | ✓ | = | | | | | |
| | 6 | ✓ | ✓ | ✓ | = | | | | | |
| | 7 | ✓ | ✓ | ✓ | = | | | | | |
| | 8 | ✓ | ✓ | ✓ | = | | | | | |
| | 9 | ✓ | ✓ | ✓ | = | | | | | |
| | 10 | ✓ | ✓ | ✓ | = | | | | | |
| | 11 | ✓ | ✓ | ✓ | = | | | | | |
| | 12 | ✓ | ✓ | ✓ | = | | | | | |
| | 13 | ✓ | ✓ | ✓ | = | | | | | |
| | 14 | ✓ | ✓ | ✓ | = | | | | | |
| | 15 | ✓ | ✓ | ✓ | = | | | | | |
| | 16 | ✓ | ✓ | ✓ | = | | | | | |
| | 17 | ✓ | ✓ | ✓ | = | | | | | |
| | 18 | ✓ | ✓ | ✓ | = | | | | | |

| Search Notes | Application/Control No. | Applicant(s)/Patent Under Reexamination |
|---|---|---|
| | 15609663 | COHEN ET AL. |
| | Examiner | Art Unit |
| | YVES DALENCOURT | 2457 |

| CPC- SEARCHED | | |
|---|---|---|
| Symbol | Date | Examiner |
| H04L51/12, H04L51/16 | 07/27/2017 | YD |

| 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 |
| WEST/CPC (text search) | 07/27/2017 | YD |
| WEST/CPC (updated text search) | 11/02/2017 | YD |
| WEST/CPC (updated text search) | 11/04/2017 | YD |
| WEST/CPC (updated text search) | 02/03/2018 | YD |
| WEST/CPC (updated text searched) | 04/29/2018 | YD |

| INTERFERENCE SEARCH | | | |
|---|---|---|---|
| US Class/ CPC Symbol | US Subclass / CPC Group | Date | Examiner |
| | See WEST/CPC text searched | 04/29/2018 | YD |

| | |
|---|---|
| | |

# WEST Search History for Application 15609663

## Creation Date: 2018042920:33

## Prior Art Searches

| Query | DB | Hits | Op. | Plur. | Thes. | Date |
|---|---|---|---|---|---|---|
| **20020095465** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 07-30-2017 |
| **20070185961** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 07-30-2017 |
| **20140219433** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 07-30-2017 |
| **displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 785 | OR | YES | | 07-30-2017 |
| **(displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 ) and exchang$3 adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 175 | OR | YES | | 07-30-2017 |
| **(prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 74 | OR | YES | | 07-30-2017 |
| | | 0 | OR | YES | | 07-30-2017 |

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|---|---|---|---|---|---|---|
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **anchor near message$1 and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **anchor near message$1 and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **anchor near message$1 and (online or internet or social near media) adj7 participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **anchor near message$1 and chat near session$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 33 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and chat near session$1 ) and (prevent$3 or restrict$3 or block$3)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 33 | OR | YES | | 07-30-2017 |
| **displ$3 adj7 anchor near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 47 | OR | YES | | 07-30-2017 |
| **(displ$3 adj7 anchor near message$1 ) and ((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 )** | PGPB, USPT, EPAB, JPAB, | 0 | OR | YES | | 07-30-2017 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(displ$3 adj7 anchor near message$1 ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and anchor near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and first near thread$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and thread$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 29 | OR | YES | | 07-30-2017 |
| **(((H04L51/12))).cpc.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 7555 | OR | YES | | 07-30-2017 |
| **(((H04L51/16))).cpc.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2836 | OR | YES | | 07-30-2017 |
| **20140059586** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 07-30-2017 |
| **20140172427** | | 3 | OR | YES | | 07-30-2017 |

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|---|---|---|---|---|---|---|
| | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(20140172427 ) and displ$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(20140172427 ) and displ$3 adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(20140172427 ) and displ$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 07-30-2017 |
| **anchor near message$1 near response$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 43 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 near response$1 ) and 13** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 38 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 near response$1 and 13 ) and participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 near response$1 and 13 ) and (participant$1 or user$1 or client$1 or device$1)** | PGPB, USPT, EPAB, JPAB, | 33 | OR | YES | | 07-30-2017 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **exclud$3 near4 (participant$1 or user$1 or client$1 or device$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 52129 | OR | YES | | 07-30-2017 |
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) ) and (anchor near message$1 near response$1 and 13 and (participant$1 or user$1 or client$1 or device$1) )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 near response$1 and 13 and (participant$1 or user$1 or client$1 or device$1) ) and provid$3 near3 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 7 | OR | YES | | 07-30-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 and thread$1 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 26 | OR | YES | | 07-30-2017 |
| **(20140219433 ) and displ$5 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(20140219433 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 07-30-2017 |
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 35 | OR | YES | | 07-30-2017 |
| | | 8 | OR | YES | | 07-30-2017 |

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|---|---|---|---|---|---|---|
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) and displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 ) and (anchor near message$1 or thread$3)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) ) and displ$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 33 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 ) and response$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 33 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 ) and participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 33 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and exchang$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and exchang$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and communicat$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 33 | OR | YES | | 07-30-2017 |
| **chat near room near communication$1** | PGPB, USPT, EPAB, JPAB, | 402 | OR | YES | | 07-30-2017 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(chat near room near communication$1 ) and ((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 07-30-2017 |
| **(chat near room near communication$1 ) and displ$3 adj7 (thread or anchor) adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(chat near room near communication$1 ) and displ$3 adj7 (message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 44 | OR | YES | | 07-30-2017 |
| **(chat near room near communication$1 ) and displ$3 adj7 (message$1 and response$1) adj7 simultaneous$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| **(displ$3 or output$3) adj7 (anchor near message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 07-30-2017 |
| **(anchor near message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 572 | OR | YES | | 07-30-2017 |
| **((anchor near message$1 and response$1) ) and (chat near room near communication$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 07-30-2017 |
| | | 113 | OR | YES | | 07-30-2017 |

| | | | | | | |
|---|---|---|---|---|---|---|
| **exchang$3 near message$1 and (chat near room near communication$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(exchang$3 near message$1 and chat near room near communication$1 ) chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 14893 | OR | YES | | 07-30-2017 |
| **(exchang$3 near message$1 and chat near room near communication$1 ) and chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 113 | OR | YES | | 07-30-2017 |
| **(exchang$3 near message$1 and chat near room near communication$1 and chat near room ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 8 | OR | YES | | 07-30-2017 |
| **20020095465** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 11-05-2017 |
| **20070185961** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 11-05-2017 |
| **20140219433** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 11-05-2017 |
| **displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1** | PGPB, USPT, EPAB, JPAB, | 802 | OR | YES | | 11-05-2017 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 ) and exchang$3 adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 178 | OR | YES | | 11-05-2017 |
| **(prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 76 | OR | YES | | 11-05-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **anchor near message$1 and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **anchor near message$1 and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **anchor near message$1 and (online or internet or social near media) adj7 participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **anchor near message$1 and chat near session$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 36 | OR | YES | | 11-05-2017 |
| | | 36 | OR | YES | | 11-05-2017 |

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| **(anchor near message$1 and chat near session$1 ) and (prevent$3 or restrict$3 or block$3)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **displ$3 adj7 anchor near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 51 | OR | YES | | 11-05-2017 |
| **(displ$3 adj7 anchor near message$1 ) and ((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **(displ$3 adj7 anchor near message$1 ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and anchor near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and first near thread$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and thread$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 30 | OR | YES | | 11-05-2017 |
| **(((((((((H04L51/12)))))))))).cpc.** | PGPB, USPT, EPAB, JPAB, | 7803 | OR | YES | | 11-05-2017 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| (((((((((**H04L51/16**))))))))).**cpc.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3045 | OR | YES | | 11-05-2017 |
| **20140059586** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 11-05-2017 |
| **20140172427** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 11-05-2017 |
| **(20140172427 ) and displ$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **(20140172427 ) and displ$3 adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **(20140172427 ) and displ$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **anchor near message$1 near response$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 48 | OR | YES | | 11-05-2017 |
| | | 42 | OR | YES | | 11-05-2017 |

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| **(anchor near message$1 near response$1 ) and 13** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(anchor near message$1 near response$1 and 13 ) and participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **(anchor near message$1 near response$1 and 13 ) and (participant$1 or user$1 or client$1 or device$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 37 | OR | YES | | 11-05-2017 |
| **exclud$3 near4 (participant$1 or user$1 or client$1 or device$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 53938 | OR | YES | | 11-05-2017 |
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) ) and (anchor near message$1 near response$1 and 13 and (participant$1 or user$1 or client$1 or device$1) )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **(anchor near message$1 near response$1 and 13 and (participant$1 or user$1 or client$1 or device$1) ) and provid$3 near3 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 8 | OR | YES | | 11-05-2017 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 and thread$1 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 27 | OR | YES | | 11-05-2017 |
| **(20140219433 ) and displ$5 near message$1** | PGPB, USPT, EPAB, JPAB, | 0 | OR | YES | | 11-05-2017 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(20140219433 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 11-05-2017 |
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 37 | OR | YES | | 11-05-2017 |
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) and displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 ) and (anchor near message$1 or thread$3)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 9 | OR | YES | | 11-05-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) ) and displ$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 36 | OR | YES | | 11-05-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 ) and response$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 36 | OR | YES | | 11-05-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 ) and participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 36 | OR | YES | | 11-05-2017 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and exchang$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 11-05-2017 |
| | | 2 | OR | YES | | 11-05-2017 |

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|---|---|---|---|---|---|---|
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and exchang$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and communicat$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 36 | OR | YES | | 11-05-2017 |
| **chat near room near communication$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 415 | OR | YES | | 11-05-2017 |
| **(chat near room near communication$1 ) and ((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 11-05-2017 |
| **(chat near room near communication$1 ) and displ$3 adj7 (thread or anchor) adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **(chat near room near communication$1 ) and displ$3 adj7 (message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 47 | OR | YES | | 11-05-2017 |
| **(chat near room near communication$1 ) and displ$3 adj7 (message$1 and response$1) adj7 simultaneous$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **(displ$3 or output$3) adj7 (anchor near message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, | 5 | OR | YES | | 11-05-2017 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(anchor near message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 590 | OR | YES | | 11-05-2017 |
| **((anchor near message$1 and response$1) ) and (chat near room near communication$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 11-05-2017 |
| **exchang$3 near message$1 and (chat near room near communication$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 117 | OR | YES | | 11-05-2017 |
| **(exchang$3 near message$1 and chat near room near communication$1 ) chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 15219 | OR | YES | | 11-05-2017 |
| **(exchang$3 near message$1 and chat near room near communication$1 ) and chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 117 | OR | YES | | 11-05-2017 |
| **(exchang$3 near message$1 and chat near room near communication$1 and chat near room ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 8 | OR | YES | | 11-05-2017 |
| **20170163594** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 11-05-2017 |
| **(20170163594 ) and virtual** | | 0 | OR | YES | | 11-05-2017 |

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| | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(20170163594 ) and online** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **virtual near online near meeting ear room or chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3271029 | OR | YES | | 11-05-2017 |
| **virtual near online near meeting near room or chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 15220 | OR | YES | | 11-05-2017 |
| **(virtual near online near meeting near room or chat near room ) and communicat$3 near (user$1 or client$1 or person$1 or friend$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 6158 | OR | YES | | 11-05-2017 |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) ) and (receiv$3 adj7 external near message$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 16 | OR | YES | | 11-05-2017 |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) and (receiv$3 adj7 external near message$1) ) and portion** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 12 | OR | YES | | 11-05-2017 |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) and (receiv$3 adj7 external near message$1)** | PGPB, USPT, EPAB, JPAB, | 0 | OR | YES | | 11-05-2017 |

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|---|---|---|---|---|---|---|
| **and portion ) and shar$3 near message$1** | DWPI, TDBD | | | | | |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) ) and shar$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 299 | OR | YES | | 11-05-2017 |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) and shar$3 near message$1 ) and (prevent$3 or restrict$3 or block$3) adj7 sharing** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 21 | OR | YES | | 11-05-2017 |
| **shar$5 adj7 portion adj7 receiv$3 adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 17 | OR | YES | | 11-05-2017 |
| **(shar$5 adj7 portion adj7 receiv$3 adj7 message$1 ) and virtual near community$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **(shar$5 adj7 portion adj7 receiv$3 adj7 message$1 ) and virtual adj7 chat adj7 room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 11-05-2017 |
| **(shar$5 adj7 portion adj7 receiv$3 adj7 message$1 ) and virtual** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 8 | OR | YES | | 11-05-2017 |
| **virtual near online near meeting near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 6 | OR | YES | | 11-05-2017 |
| **20100124322** | | 3 | OR | YES | | 11-05-2017 |

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| | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **20150280988** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 11-05-2017 |
| **20170163594** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 11-05-2017 |
| **(20170163594 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 11-05-2017 |
| **(20170163594 and displ$5 ) and anchor** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **(20170163594 and displ$5 and anchor ) and participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 11-05-2017 |
| **7945620.pn.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 11-05-2017 |
| **(7945620.pn. ) and anchor** | PGPB, USPT, EPAB, JPAB, | 0 | OR | YES | | 11-05-2017 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(7945620.pn. ) and private near chat** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 11-05-2017 |
| **20020095465** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **20070185961** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 02-03-2018 |
| **20140219433** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 02-03-2018 |
| **displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 821 | OR | YES | | 02-03-2018 |
| **(displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 ) and exchang$3 adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 185 | OR | YES | | 02-03-2018 |
| **(prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 77 | OR | YES | | 02-03-2018 |
| | | 0 | OR | YES | | 02-03-2018 |

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| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **anchor near message$1 and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **anchor near message$1 and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **anchor near message$1 and (online or internet or social near media) adj7 participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **anchor near message$1 and chat near session$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 38 | OR | YES | | 02-03-2018 |
| **(anchor near message$1 and chat near session$1 ) and (prevent$3 or restrict$3 or block$3)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 38 | OR | YES | | 02-03-2018 |
| **displ$3 adj7 anchor near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 52 | OR | YES | | 02-03-2018 |
| **(displ$3 adj7 anchor near message$1 ) and ((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 )** | PGPB, USPT, EPAB, JPAB, | 1 | OR | YES | | 02-03-2018 |

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| | DWPI, TDBD | | | | | |
| **(displ$3 adj7 anchor near message$1 ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and anchor near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and first near thread$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and thread$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 31 | OR | YES | | 02-03-2018 |
| **((((((((((H04L51/12)))))))))).cpc.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 8022 | OR | YES | | 02-03-2018 |
| **((((((((((H04L51/16)))))))))).cpc.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3251 | OR | YES | | 02-03-2018 |
| **20140059586** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 02-03-2018 |
| **20140172427** | | 3 | OR | YES | | 02-03-2018 |

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| | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(20140172427 ) and displ$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **(20140172427 ) and displ$3 adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **(20140172427 ) and displ$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 02-03-2018 |
| **anchor near message$1 near response$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 52 | OR | YES | | 02-03-2018 |
| **(anchor near message$1 near response$1 ) and 13** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 46 | OR | YES | | 02-03-2018 |
| **(anchor near message$1 near response$1 and 13 ) and participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **(anchor near message$1 near response$1 and 13 ) and (participant$1 or user$1 or client$1 or device$1)** | PGPB, USPT, EPAB, JPAB, | 41 | OR | YES | | 02-03-2018 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **exclud$3 near4 (participant$1 or user$1 or client$1 or device$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 55514 | OR | YES | | 02-03-2018 |
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) ) and (anchor near message$1 near response$1 and 13 and (participant$1 or user$1 or client$1 or device$1) )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **(anchor near message$1 near response$1 and 13 and (participant$1 or user$1 or client$1 or device$1) ) and provid$3 near3 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 8 | OR | YES | | 02-03-2018 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 and thread$1 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 28 | OR | YES | | 02-03-2018 |
| **(20140219433 ) and displ$5 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **(20140219433 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 02-03-2018 |
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 42 | OR | YES | | 02-03-2018 |
| | | 12 | OR | YES | | 02-03-2018 |

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| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) and displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 ) and (anchor near message$1 or thread$3)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) ) and displ$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 38 | OR | YES | | 02-03-2018 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 ) and response$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 38 | OR | YES | | 02-03-2018 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 ) and participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 38 | OR | YES | | 02-03-2018 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and exchang$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 02-03-2018 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and exchang$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 02-03-2018 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and communicat$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 38 | OR | YES | | 02-03-2018 |
| **chat near room near communication$1** | PGPB, USPT, EPAB, JPAB, | 421 | OR | YES | | 02-03-2018 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(chat near room near communication$1 ) and ((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 4 | OR | YES | | 02-03-2018 |
| **(chat near room near communication$1 ) and displ$3 adj7 (thread or anchor) adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 02-03-2018 |
| **(chat near room near communication$1 ) and displ$3 adj7 (message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 49 | OR | YES | | 02-03-2018 |
| **(chat near room near communication$1 ) and displ$3 adj7 (message$1 and response$1) adj7 simultaneous$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **(displ$3 or output$3) adj7 (anchor near message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 5 | OR | YES | | 02-03-2018 |
| **(anchor near message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 606 | OR | YES | | 02-03-2018 |
| **((anchor near message$1 and response$1) ) and (chat near room near communication$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 02-03-2018 |
| | | 120 | OR | YES | | 02-03-2018 |

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| **exchang$3 near message$1 and (chat near room near communication$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(exchang$3 near message$1 and chat near room near communication$1 ) chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 15506 | OR | YES | | 02-03-2018 |
| **(exchang$3 near message$1 and chat near room near communication$1 ) and chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 120 | OR | YES | | 02-03-2018 |
| **(exchang$3 near message$1 and chat near room near communication$1 and chat near room ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 8 | OR | YES | | 02-03-2018 |
| **20170163594** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 02-03-2018 |
| **(20170163594 ) and virtual** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **(20170163594 ) and online** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **virtual near online near meeting ear room or chat near room** | PGPB, USPT, EPAB, JPAB, | 3333991 | OR | YES | | 02-03-2018 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **virtual near online near meeting near room or chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 15507 | OR | YES | | 02-03-2018 |
| **(virtual near online near meeting near room or chat near room ) and communicat$3 near (user$1 or client$1 or person$1 or friend$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 6293 | OR | YES | | 02-03-2018 |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) ) and (receiv$3 adj7 external near message$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 18 | OR | YES | | 02-03-2018 |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) and (receiv$3 adj7 external near message$1) ) and portion** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 13 | OR | YES | | 02-03-2018 |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) and (receiv$3 adj7 external near message$1) and portion ) and shar$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 02-03-2018 |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) ) and shar$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 305 | OR | YES | | 02-03-2018 |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) and shar$3 near message$1 ) and (prevent$3 or restrict$3 or block$3) adj7 sharing** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 21 | OR | YES | | 02-03-2018 |
| | | 18 | OR | YES | | 02-03-2018 |

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|---|---|---|---|---|---|---|
| **shar$5 adj7 portion adj7 receiv$3 adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(shar$5 adj7 portion adj7 receiv$3 adj7 message$1 ) and virtual near community$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **(shar$5 adj7 portion adj7 receiv$3 adj7 message$1 ) and virtual adj7 chat adj7 room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **(shar$5 adj7 portion adj7 receiv$3 adj7 message$1 ) and virtual** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 9 | OR | YES | | 02-03-2018 |
| **virtual near online near meeting near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 7 | OR | YES | | 02-03-2018 |
| **20100124322** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 02-03-2018 |
| **20150280988** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 02-03-2018 |
| **20170163594** | PGPB, USPT, EPAB, JPAB, | 3 | OR | YES | | 02-03-2018 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(20170163594 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 02-03-2018 |
| **(20170163594 and displ$5 ) and anchor** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **(20170163594 and displ$5 and anchor ) and participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **7945620.pn.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **(7945620.pn. ) and anchor** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **(7945620.pn. ) and private near chat** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **7945620.PN.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **9882846.PN.** | | 2 | OR | YES | | 02-03-2018 |

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| | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(private or sidebar) adj7 (chat or conversation)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 4697 | OR | YES | | 02-03-2018 |
| **(anchor near message$1 near response$1 ) and ((private or sidebar) adj7 (chat or conversation) )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **((private or sidebar) adj7 (chat or conversation) ) and anchor near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 4 | OR | YES | | 02-03-2018 |
| **20120017149** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **(20120017149 ) and whisper$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **((private or sidebar) adj7 (chat or conversation) ) and (whisper$3 near conversation or sidebar near conversation)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 147 | OR | YES | | 02-03-2018 |
| **(private or sidebar or whisper$3) adj7 (chat or conversation or dialog)** | PGPB, USPT, EPAB, JPAB, | 5244 | OR | YES | | 02-03-2018 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **((private or sidebar or whisper$3) adj7 (chat or conversation or dialog) ) and ((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 11 | OR | YES | | 02-03-2018 |
| **((private or sidebar or whisper$3) adj7 (chat or conversation or dialog) and (prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and dipl$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 02-03-2018 |
| **((private or sidebar or whisper$3) adj7 (chat or conversation or dialog) and (prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 8 | OR | YES | | 02-03-2018 |
| **((private or sidebar or whisper$3) adj7 (chat or conversation or dialog) and (prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 and displ$5 ) and thread** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 02-03-2018 |
| **((private or sidebar or whisper$3) adj7 (chat or conversation or dialog) and (prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 and displ$5 ) and anchor** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **20120017149** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 02-03-2018 |
| **20020095465** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 04-29-2018 |
| **20070185961** | | 3 | OR | YES | | 04-29-2018 |

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| | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **20140219433** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 04-29-2018 |
| **displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 837 | OR | YES | | 04-29-2018 |
| **(displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 ) and exchang$3 adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 186 | OR | YES | | 04-29-2018 |
| **(prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 78 | OR | YES | | 04-29-2018 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 04-29-2018 |
| **anchor near message$1 and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 04-29-2018 |
| **anchor near message$1 and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, | 0 | OR | YES | | 04-29-2018 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **anchor near message$1 and (online or internet or social near media) adj7 participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 04-29-2018 |
| **anchor near message$1 and chat near session$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 40 | OR | YES | | 04-29-2018 |
| **(anchor near message$1 and chat near session$1 ) and (prevent$3 or restrict$3 or block$3)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 40 | OR | YES | | 04-29-2018 |
| **displ$3 adj7 anchor near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 55 | OR | YES | | 04-29-2018 |
| **(displ$3 adj7 anchor near message$1 ) and ((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 04-29-2018 |
| **(displ$3 adj7 anchor near message$1 ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 and exchang$3 adj7 message$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 04-29-2018 |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and anchor near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 04-29-2018 |
| | | 0 | OR | YES | | 04-29-2018 |

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| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and first near thread$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and thread$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 31 | OR | YES | | 04-29-2018 |
| **((((((((((H04L51/12)))))))))).cpc.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 8249 | OR | YES | | 04-29-2018 |
| **((((((((((H04L51/16)))))))))).cpc.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3434 | OR | YES | | 04-29-2018 |
| **20140059586** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 04-29-2018 |
| **20140172427** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 04-29-2018 |
| **(20140172427 ) and displ$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 04-29-2018 |
| **(20140172427 ) and displ$3 adj7 message$1** | PGPB, USPT, EPAB, JPAB, | 0 | OR | YES | | 04-29-2018 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(20140172427 ) and displ$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 04-29-2018 |
| **anchor near message$1 near response$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 57 | OR | YES | | 04-29-2018 |
| **(anchor near message$1 near response$1 ) and 13** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 51 | OR | YES | | 04-29-2018 |
| **(anchor near message$1 near response$1 and 13 ) and participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 04-29-2018 |
| **(anchor near message$1 near response$1 and 13 ) and (participant$1 or user$1 or client$1 or device$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 46 | OR | YES | | 04-29-2018 |
| **exclud$3 near4 (participant$1 or user$1 or client$1 or device$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 56963 | OR | YES | | 04-29-2018 |
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) ) and (anchor near message$1 near response$1 and 13 and (participant$1 or user$1 or client$1 or device$1) )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 04-29-2018 |
| | | 9 | OR | YES | | 04-29-2018 |

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| **(anchor near message$1 near response$1 and 13 and (participant$1 or user$1 or client$1 or device$1) ) and provid$3 near3 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 and thread$1 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 28 | OR | YES | | 04-29-2018 |
| **(20140219433 ) and displ$5 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 04-29-2018 |
| **(20140219433 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 04-29-2018 |
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 42 | OR | YES | | 04-29-2018 |
| **(exclud$3 near4 (participant$1 or user$1 or client$1 or device$1) and displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 ) and (anchor near message$1 or thread$3)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 12 | OR | YES | | 04-29-2018 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) ) and displ$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 40 | OR | YES | | 04-29-2018 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 ) and response$1** | PGPB, USPT, EPAB, JPAB, | 40 | OR | YES | | 04-29-2018 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 ) and participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 40 | OR | YES | | 04-29-2018 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and exchang$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 04-29-2018 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and exchang$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 04-29-2018 |
| **(anchor near message$1 and chat near session$1 and (prevent$3 or restrict$3 or block$3) and displ$3 near message$1 and response$1 and participant$1 ) and communicat$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 40 | OR | YES | | 04-29-2018 |
| **chat near room near communication$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 429 | OR | YES | | 04-29-2018 |
| **(chat near room near communication$1 ) and ((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 4 | OR | YES | | 04-29-2018 |
| **(chat near room near communication$1 ) and displ$3 adj7 (thread or anchor) adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 04-29-2018 |
| | | 49 | OR | YES | | 04-29-2018 |

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| **(chat near room near communication$1 ) and displ$3 adj7 (message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(chat near room near communication$1 ) and displ$3 adj7 (message$1 and response$1) adj7 simultaneous$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 04-29-2018 |
| **(displ$3 or output$3) adj7 (anchor near message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 5 | OR | YES | | 04-29-2018 |
| **(anchor near message$1 and response$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 624 | OR | YES | | 04-29-2018 |
| **((anchor near message$1 and response$1) ) and (chat near room near communication$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 04-29-2018 |
| **exchang$3 near message$1 and (chat near room near communication$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 122 | OR | YES | | 04-29-2018 |
| **(exchang$3 near message$1 and chat near room near communication$1 ) chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 15748 | OR | YES | | 04-29-2018 |
| **(exchang$3 near message$1 and chat near room near communication$1 ) and chat near room** | PGPB, USPT, EPAB, JPAB, | 122 | OR | YES | | 04-29-2018 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(exchang$3 near message$1 and chat near room near communication$1 and chat near room ) and (displ$3 adj7 message$1 and (online or internet or social near media) adj7 participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 8 | OR | YES | | 04-29-2018 |
| **20170163594** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 04-29-2018 |
| **(20170163594 ) and virtual** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 04-29-2018 |
| **(20170163594 ) and online** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 04-29-2018 |
| **virtual near online near meeting ear room or chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3389848 | OR | YES | | 04-29-2018 |
| **virtual near online near meeting near room or chat near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 15749 | OR | YES | | 04-29-2018 |
| **(virtual near online near meeting near room or chat near room ) and communicat$3 near (user$1 or client$1 or person$1 or friend$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 6433 | OR | YES | | 04-29-2018 |
| | | 19 | OR | YES | | 04-29-2018 |

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| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) ) and (receiv$3 adj7 external near message$1)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) and (receiv$3 adj7 external near message$1) ) and portion** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 14 | OR | YES | | 04-29-2018 |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) and (receiv$3 adj7 external near message$1) and portion ) and shar$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 1 | OR | YES | | 04-29-2018 |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) ) and shar$3 near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 310 | OR | YES | | 04-29-2018 |
| **(virtual near online near meeting near room or chat near room and communicat$3 near (user$1 or client$1 or person$1 or friend$1) and shar$3 near message$1 ) and (prevent$3 or restrict$3 or block$3) adj7 sharing** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 22 | OR | YES | | 04-29-2018 |
| **shar$5 adj7 portion adj7 receiv$3 adj7 message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 19 | OR | YES | | 04-29-2018 |
| **(shar$5 adj7 portion adj7 receiv$3 adj7 message$1 ) and virtual near community$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 04-29-2018 |
| **(shar$5 adj7 portion adj7 receiv$3 adj7 message$1 ) and virtual adj7 chat adj7 room** | PGPB, USPT, EPAB, JPAB, | 0 | OR | YES | | 04-29-2018 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **(shar$5 adj7 portion adj7 receiv$3 adj7 message$1 ) and virtual** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 10 | OR | YES | | 04-29-2018 |
| **virtual near online near meeting near room** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 7 | OR | YES | | 04-29-2018 |
| **20100124322** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 04-29-2018 |
| **20150280988** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 04-29-2018 |
| **20170163594** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 04-29-2018 |
| **(20170163594 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 04-29-2018 |
| **(20170163594 and displ$5 ) and anchor** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 04-29-2018 |
| | | 2 | OR | YES | | 04-29-2018 |

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|---|---|---|---|---|---|---|
| **(20170163594 and displ$5 and anchor ) and participant$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **7945620.pn.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 04-29-2018 |
| **(7945620.pn. ) and anchor** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 04-29-2018 |
| **(7945620.pn. ) and private near chat** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 04-29-2018 |
| **7945620.PN.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 04-29-2018 |
| **9882846.PN.** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 04-29-2018 |
| **(private or sidebar) adj7 (chat or conversation)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 4804 | OR | YES | | 04-29-2018 |
| **(anchor near message$1 near response$1 ) and ((private or sidebar) adj7 (chat or conversation) )** | PGPB, USPT, EPAB, JPAB, | 2 | OR | YES | | 04-29-2018 |

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|---|---|---|---|---|---|---|
| | DWPI, TDBD | | | | | |
| **((private or sidebar) adj7 (chat or conversation) ) and anchor near message$1** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 4 | OR | YES | | 04-29-2018 |
| **20120017149** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 04-29-2018 |
| **(20120017149 ) and whisper$3** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 04-29-2018 |
| **((private or sidebar) adj7 (chat or conversation) ) and (whisper$3 near conversation or sidebar near conversation)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 151 | OR | YES | | 04-29-2018 |
| **(private or sidebar or whisper$3) adj7 (chat or conversation or dialog)** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 5362 | OR | YES | | 04-29-2018 |
| **((private or sidebar or whisper$3) adj7 (chat or conversation or dialog) ) and ((prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 )** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 11 | OR | YES | | 04-29-2018 |
| **((private or sidebar or whisper$3) adj7 (chat or conversation or dialog) and (prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and dipl$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 0 | OR | YES | | 04-29-2018 |
| | | 8 | OR | YES | | 04-29-2018 |

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|---|---|---|---|---|---|---|
| **((private or sidebar or whisper$3) adj7 (chat or conversation or dialog) and (prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 ) and displ$5** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | | | | | |
| **((private or sidebar or whisper$3) adj7 (chat or conversation or dialog) and (prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 and displ$5 ) and thread** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 3 | OR | YES | | 04-29-2018 |
| **((private or sidebar or whisper$3) adj7 (chat or conversation or dialog) and (prevent$3 or restrict$3 or block$3) adj7 (message$1 or response$1) and exclud$3 near participant$1 and displ$5 ) and anchor** | PGPB, USPT, EPAB, JPAB, DWPI, TDBD | 2 | OR | YES | | 04-29-2018 |

| Issue Classification | Application/Control No. | Applicant(s)/Patent Under Reexamination |
|---|---|---|
| | 15609663 | COHEN ET AL. |
| | **Examiner** | **Art Unit** |
| | YVES DALENCOURT | 2457 |

| CPC | | | | | | |
|---|---|---|---|---|---|---|
| **Symbol** | | | | | **Type** | **Version** |
| H04L | | 51 | / | 046 | F | 2013-01-01 |
| H04L | | 65 | / | 1069 | I | 2013-01-01 |
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| CPC Combination Sets | | | | | | | |
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| **Symbol** | | | | | **Type** | **Set** | **Ranking** | **Version** |
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| NONE | | **Total Claims Allowed:** | |
|---|---|---|---|
| (Assistant Examiner) | (Date) | 18 | |
| /YVES DALENCOURT/<br>Primary Examiner.Art Unit 2457 | 04/29/2018 | O.G. Print Claim(s) | O.G. Print Figure |
| (Primary Examiner) | (Date) | 1 | 7 |

U.S. Patent and Trademark Office — Part of Paper No. 20180429

| Issue Classification | Application/Control No. | Applicant(s)/Patent Under Reexamination |
|---|---|---|
| | 15609663 | COHEN ET AL. |
| | **Examiner** | **Art Unit** |
| | YVES DALENCOURT | 2457 |

| US ORIGINAL CLASSIFICATION | | INTERNATIONAL CLASSIFICATION | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CLASS | SUBCLASS | CLAIMED | | | | | NON-CLAIMED | | | | |
| 709 | 206 | G | 0 | 6 | F | 15 / 16 (2006.01.01) | | | | | |
| CROSS REFERENCE(S) | | | | | | | | | | | |
| CLASS | SUBCLASS (ONE SUBCLASS PER BLOCK) | | | | | | | | | | |
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| NONE | | Total Claims Allowed: | |
|---|---|---|---|
| (Assistant Examiner) | (Date) | 18 | |
| /YVES DALENCOURT/<br>Primary Examiner.Art Unit 2457 | 04/29/2018 | O.G. Print Claim(s) | O.G. Print Figure |
| (Primary Examiner) | (Date) | 1 | 7 |

| Issue Classification | Application/Control No. | Applicant(s)/Patent Under Reexamination |
|---|---|---|
| | 15609663 | COHEN ET AL. |
| | **Examiner** | **Art Unit** |
| | YVES DALENCOURT | 2457 |

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

| Final | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final | Original |
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|---|---|---|---|
| NONE | | **Total Claims Allowed:** | |
| (Assistant Examiner) | (Date) | 18 | |
| /YVES DALENCOURT/<br>Primary Examiner.Art Unit 2457 | 04/29/2018 | O.G. Print Claim(s) | O.G. Print Figure |
| (Primary Examiner) | (Date) | 1 | 7 |

U.S. Patent and Trademark Office

Part of Paper No. 20180429

## PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail** **Mail Stop ISSUE FEE**
**Commissioner for Patents**
**P.O. Box 1450**
**Alexandria, Virginia 22313-1450**
**or Fax (571)-273-2885**

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

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

3000 7590 05/23/2018
CAESAR RIVISE, PC
7 Penn Center, 12th Floor
1635 Market Street
Philadelphia, PA 19103-2212

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 facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

| | |
|---|---|
| Lawrence E. Ashery | (Depositor's name) |
| /lawrence e ashery/ | (Signature) |
| May 23, 2018 | (Date) |

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|---|---|---|---|
| 15/609,663 | 05/31/2017 | Marc A. COHEN | W1186/20002 | 9243 |

TITLE OF INVENTION: MESSAGING APPARATUS AND METHOD THEREOF

| APPLN. TYPE | ENTITY STATUS | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|---|---|---|---|---|---|---|
| nonprovisional | SMALL | $500 | $0 | $0 | $500 | 08/23/2018 |

| EXAMINER | ART UNIT | CLASS-SUBCLASS |
|---|---|---|
| DALENCOURT, YVES | 2457 | 709-206000 |

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 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 Caesar Rivise, PC
2
3

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

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

(A) NAME OF ASSIGNEE: Wrinkl, Inc.

(B) RESIDENCE: (CITY and STATE OR COUNTRY): Sands Point, NY

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

4a. The following fee(s) are submitted:
- ☒ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): **(Please first reapply any previously paid issue fee shown above)**
- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☒ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number 03-0075 (enclose an extra copy of this form).

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 /lawrence e ashery/ Date May 23, 2018

Typed or printed name Lawrence E. Ashery Registration No. 34515



PTOL-85 Part B (10-13) Approved for use through 10/31/2013. OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

# Electronic Patent Application Fee Transmittal

| | |
|---|---|
| **Application Number:** | 15609663 |
| **Filing Date:** | 31-May-2017 |
| **Title of Invention:** | MESSAGING APPARATUS AND METHOD THEREOF |
| **First Named Inventor/Applicant Name:** | Marc A. COHEN |
| **Filer:** | Lawrence E. Ashery/Doris Brown |
| **Attorney Docket Number:** | W1186/20002 |

Filed as Small 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 | 2501 | 1 | 500 | 500 |

| Description | Fee Code | Quantity | Amount | Sub-Total in USD($) |
|---|---|---|---|---|
| **Extension-of-Time:** | | | | |
| **Miscellaneous:** | | | | |
| | | | **Total in USD ($)** | **500** |

| Electronic Acknowledgement Receipt | |
|---|---|
| **EFS ID:** | 32705793 |
| **Application Number:** | 15609663 |
| **International Application Number:** | |
| **Confirmation Number:** | 9243 |
| **Title of Invention:** | MESSAGING APPARATUS AND METHOD THEREOF |
| **First Named Inventor/Applicant Name:** | Marc A. COHEN |
| **Customer Number:** | 3000 |
| **Filer:** | Lawrence E. Ashery/Doris Brown |
| **Filer Authorized By:** | Lawrence E. Ashery |
| **Attorney Docket Number:** | W1186/20002 |
| **Receipt Date:** | 23-MAY-2018 |
| **Filing Date:** | 31-MAY-2017 |
| **Time Stamp:** | 15:34:30 |
| **Application Type:** | Utility under 35 USC 111(a) |

## Payment information:

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|---|---|
| Submitted with Payment | yes |
| Payment Type | CARD |
| Payment was successfully received in RAM | $500 |
| RAM confirmation Number | 052418INTEFSW15360700 |
| Deposit Account | |
| Authorized User | |
| The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: | |

## 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) | W118620002_Issue_Fee.pdf | 103940<br>3949a8ffb8df51cf810c66ef3c3a6b82f619532d | no | 1 |
| **Warnings:** | | | | | |
| **Information:** | | | | | |
| 2 | Fee Worksheet (SB06) | fee-info.pdf | 30325<br>5e1d8a708eff38efaf2e3574904afbe9ce1d6e9c | no | 2 |
| **Warnings:** | | | | | |
| **Information:** | | | | | |
| | | **Total Files Size (in bytes):** | 134265 | | |

**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

| APPLICATION NO. | ISSUE DATE | PATENT NO. | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|---|---|---|---|
| 15/609,663 | 06/26/2018 | 10009300 | W1186/20002 | 9243 |

3000 7590 06/06/2018

CAESAR RIVISE, PC
7 Penn Center, 12th Floor
1635 Market Street
Philadelphia, PA 19103-2212

# ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

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

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

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

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

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

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

Marc A. COHEN, Blue Bell, PA;
Wrinkl, Inc., Sands Point, NY;
Erik S. KATZ, Sands Point, NY;
Jeffrey A. COHEN, Blue Bell, PA;

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