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Application Number: 16014578 Document Date: 06/21/2018

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Form Revision Date: August 26, 2013

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	PARALLEL 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): 6/20/18

Signature: Marc 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.**

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

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

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

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

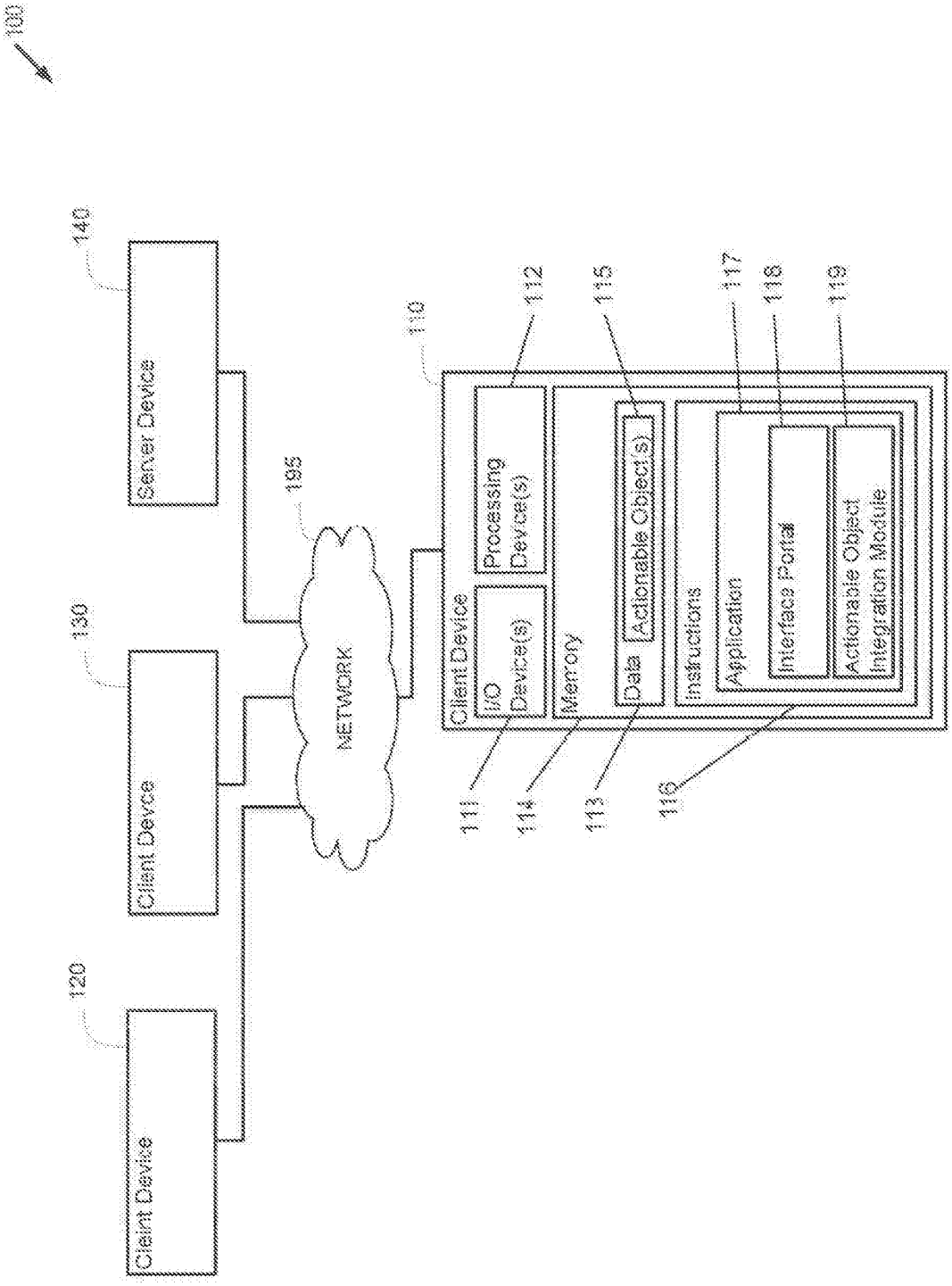
100
140
Server Device
130
Client Device
120
Client Device
195
NETWORK
110
Client Device
I/O Device(s)
Processing Device(s)
Memory
Data
Actionable Object(s)
Instructions
Application
Interface Portal
Actionable Object Integration Module
111
112
113
114
115
116
117
118
119

FIG. 1

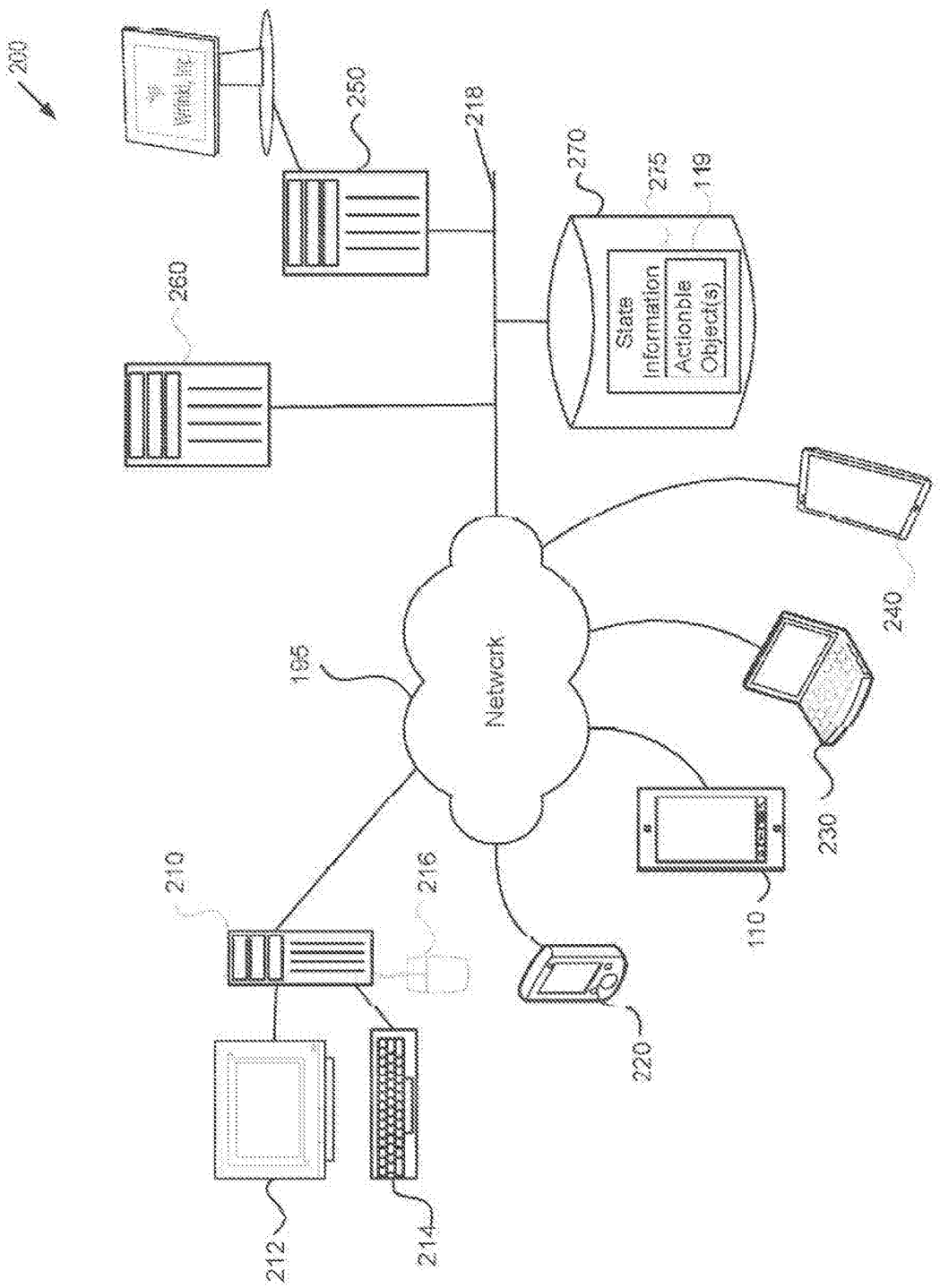
200
250
218
270
275
119
State Information
Actionple Object(s)
260
165
Network
240
230
210
216
110
220
212
214

FIG. 2

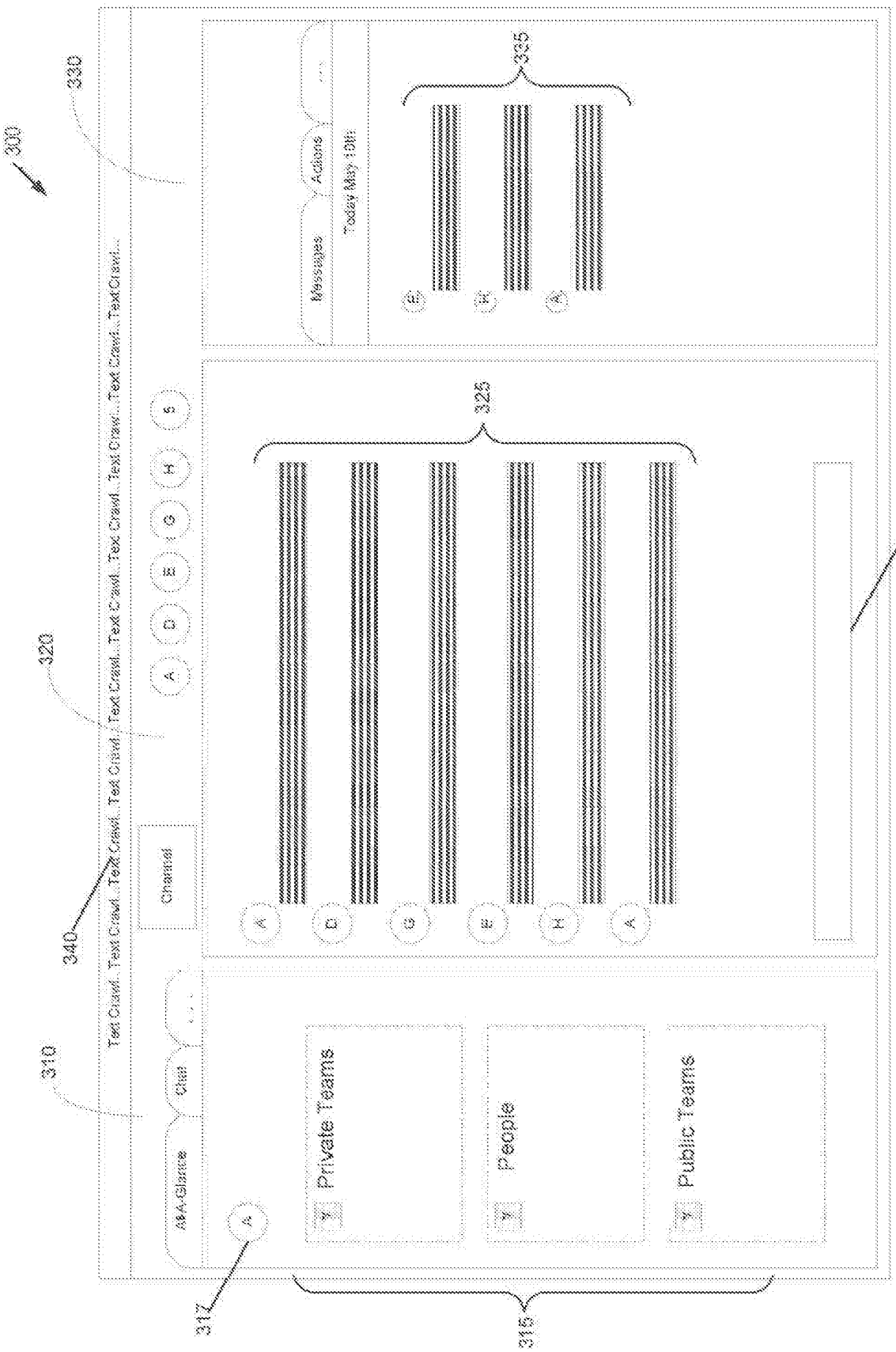
300
310
320
330
335
325
327
340
317
315
Text Crawl... Text Crawl... Text Crawl... Text Crawl... Text Crawl... Text Crawl... Text Crawl... Text Crawl... Text Crawl... Text Crawl...
Channel
A
D
E
G
H
S
Messages
Actions
Today May 10th
A&A-Glance
Chat
Private Teams
People
Public Teams

FIG. 3

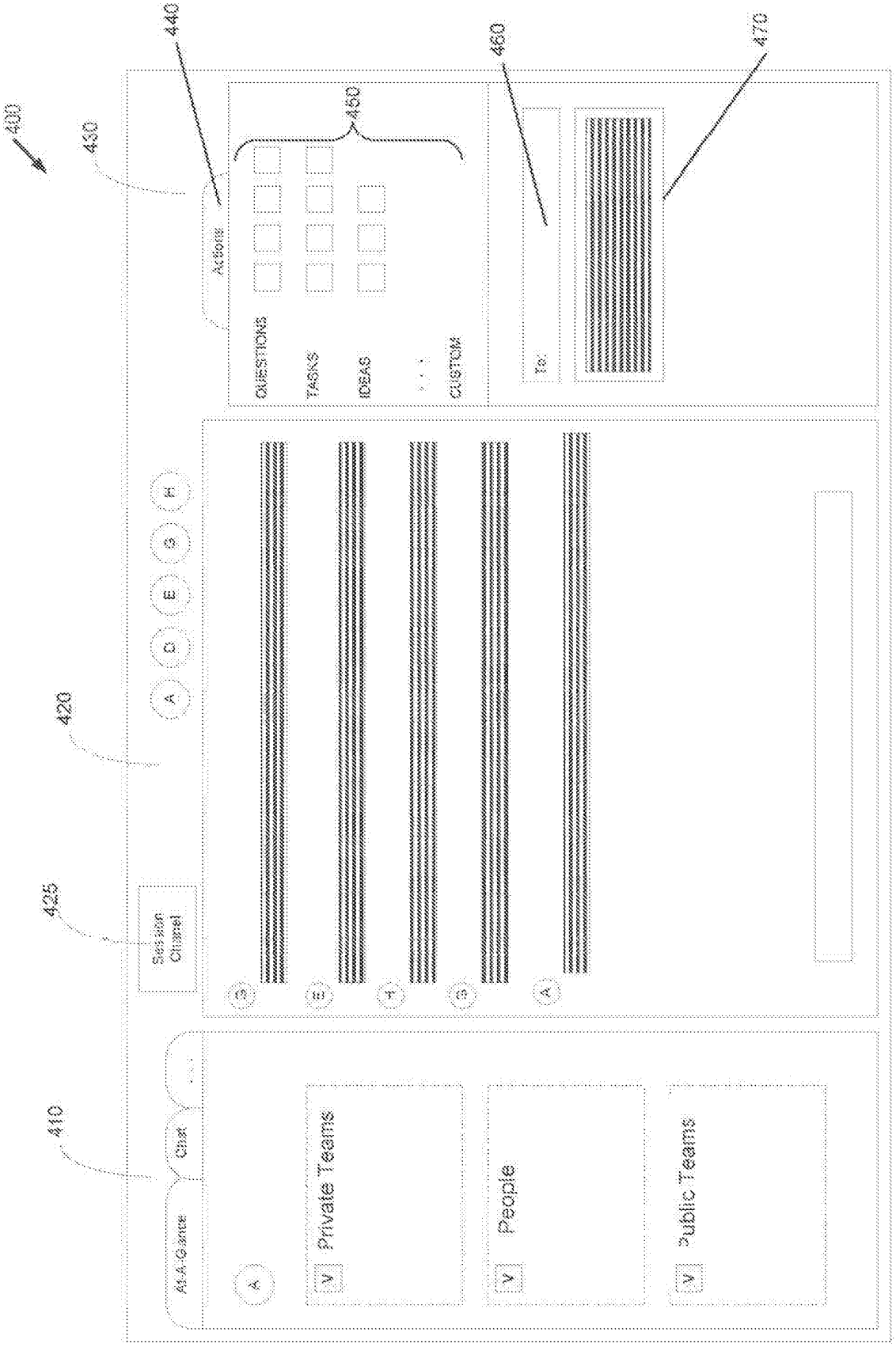
400
410
420
425
430
440
450
460
470
All At Glance
Chat
Private Teams
People
Public Teams
Session Channel
Actions
QUESTIONS
TASKS
IDEAS
CUSTOM
To:

FIG. 4A

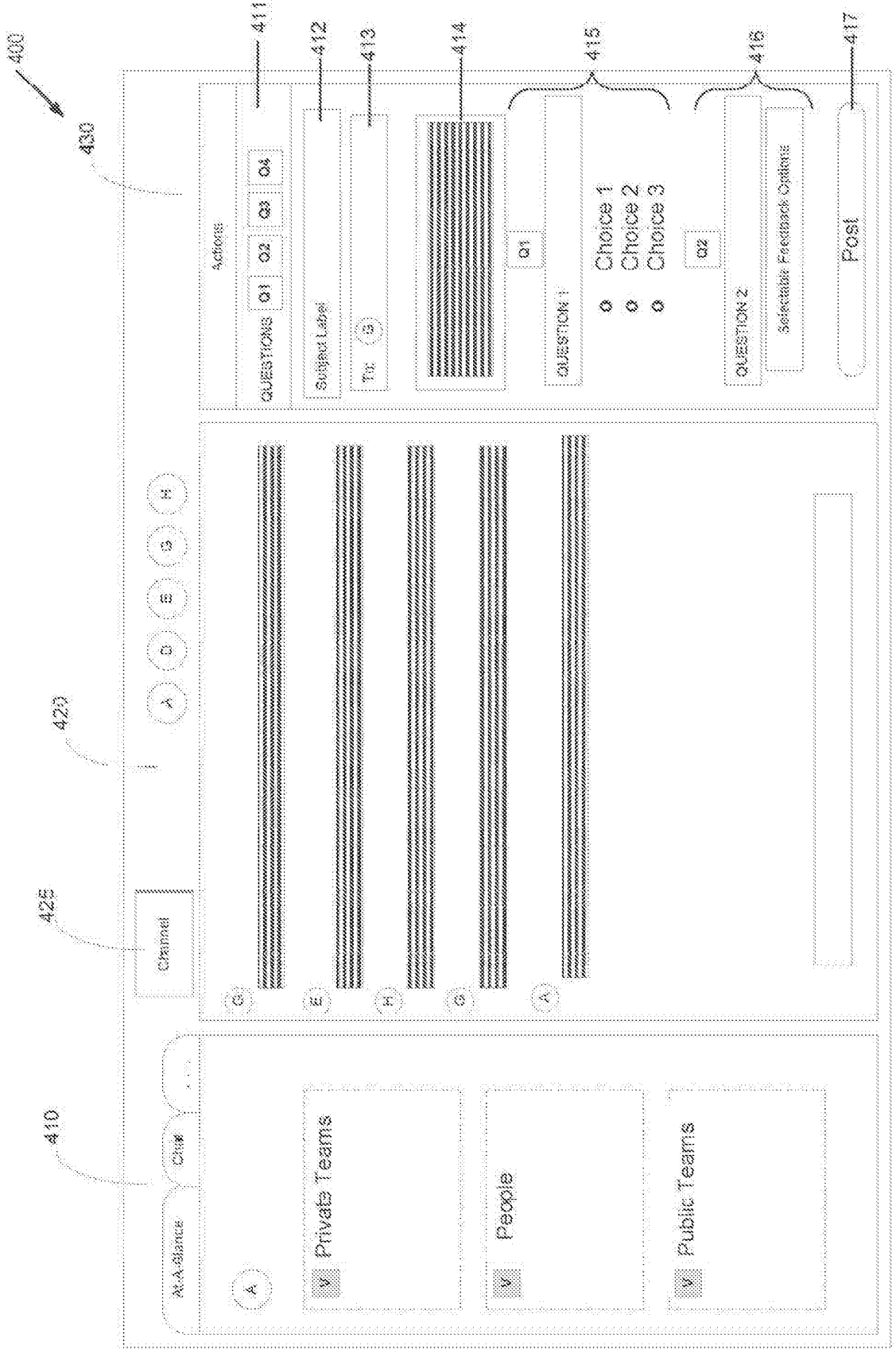
400
430
411
412
413
414
415
416
417
410
420
425
Channel
Actions
QUESTIONS
Q1
Q2
Q3
Q4
Subject Label
To:
QUESTION 1
Choice 1
Choice 2
Choice 3
QUESTION 2
Selectable Feedback Options
Post
Private Teams
People
Public Teams

FIG. 4B

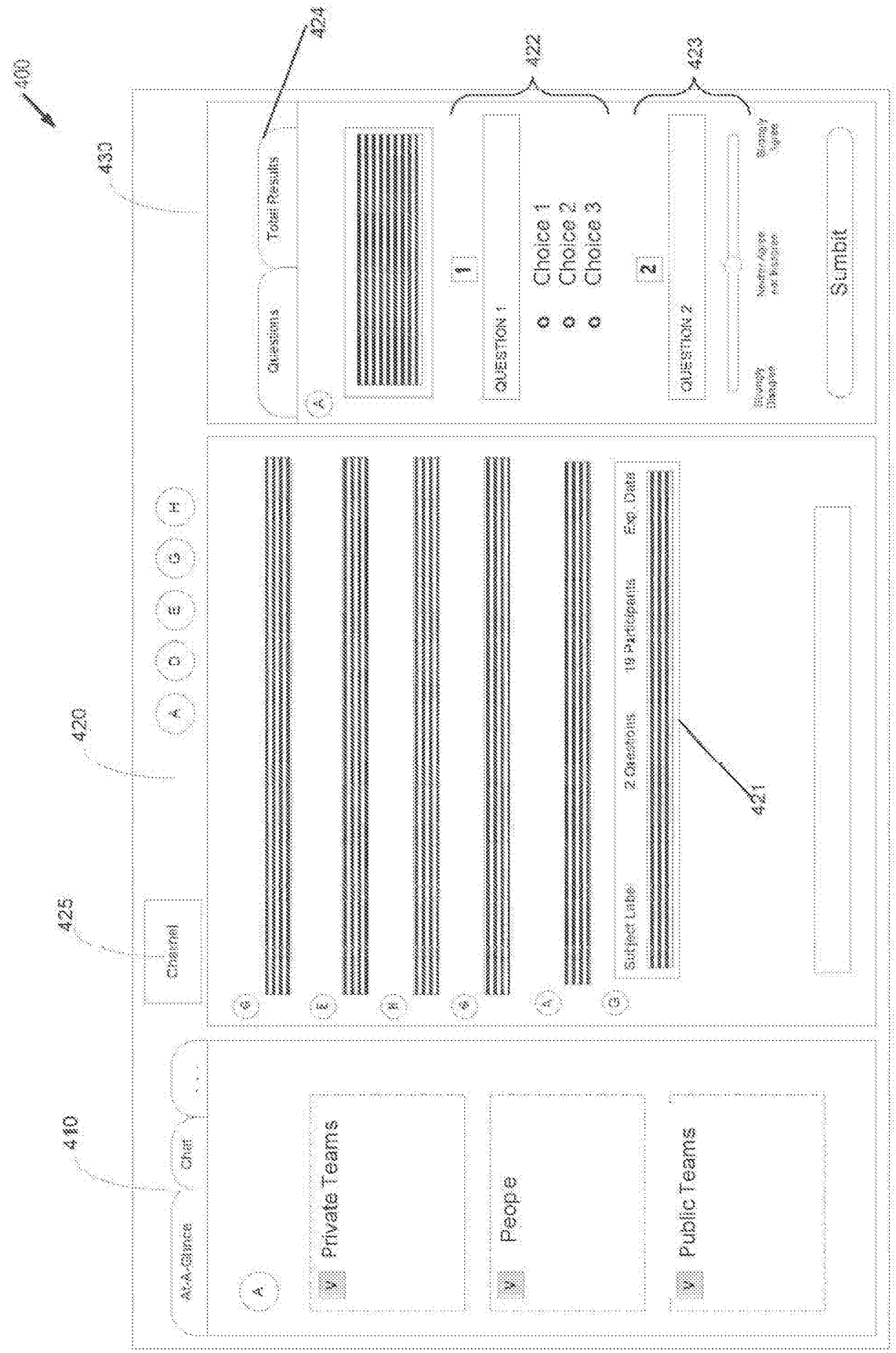
400
410
420
425
430
421
422
423
424
Private Teams
People
Public Teams
Channel
Questions
Total Results
QUESTION 1
Choice 1
Choice 2
Choice 3
QUESTION 2
Submit
Subject Line
2 Questions
19 Participants
Exp. Date

FIG. 4C

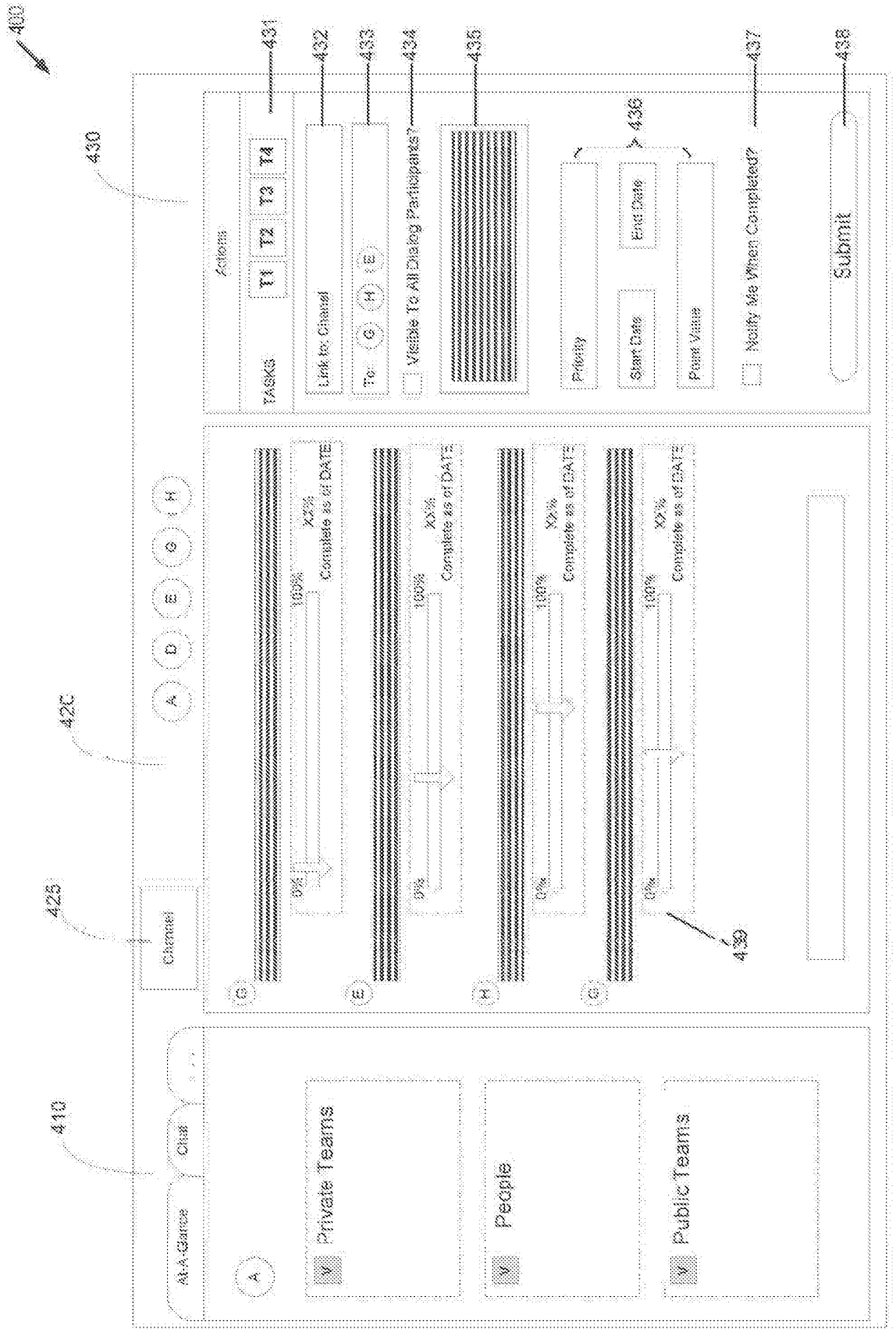
400
410
420
425
430
431
432
433
434
435
436
437
438
439
At A Glance
Chat
Channel
Private Teams
People
Public Teams
Actions
TASKS
T1
T2
T3
T4
Link to Channel
To:
Visible To All Dialog Participants?
Priority
Start Date
End Date
Point Value
Notify Me When Completed?
Submit
100%
0%
XX%
Complete as of DATE

FIG. 4D

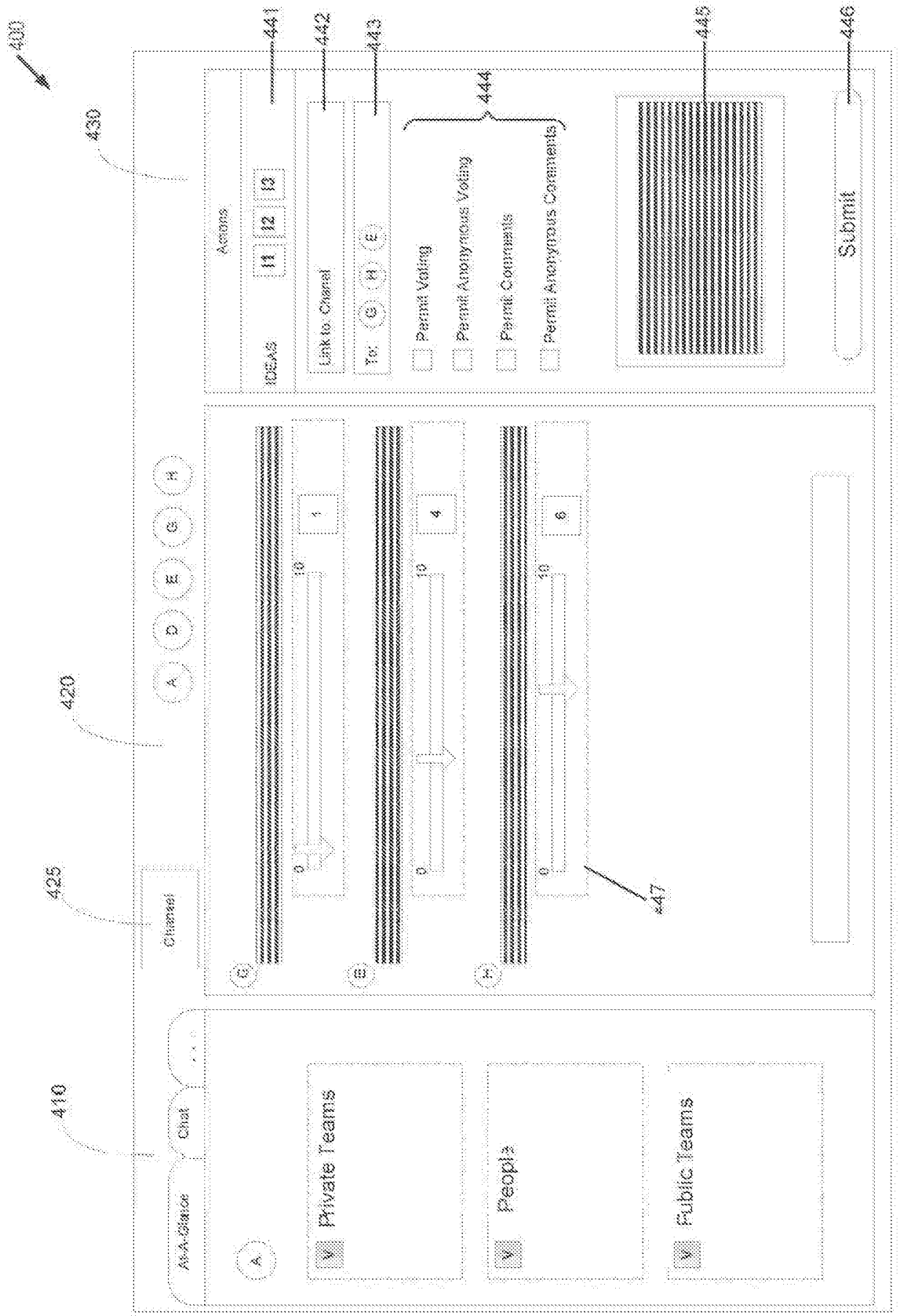
400
410
420
425
430
441
442
443
444
445
446
447
Private Teams
People
Public Teams
Chat
Channel
Actions
Link to Channel
Permit Voting
Permit Anonymous Voting
Permit Comments
Permit Anonymous Comments
Submit

FIG. 4E

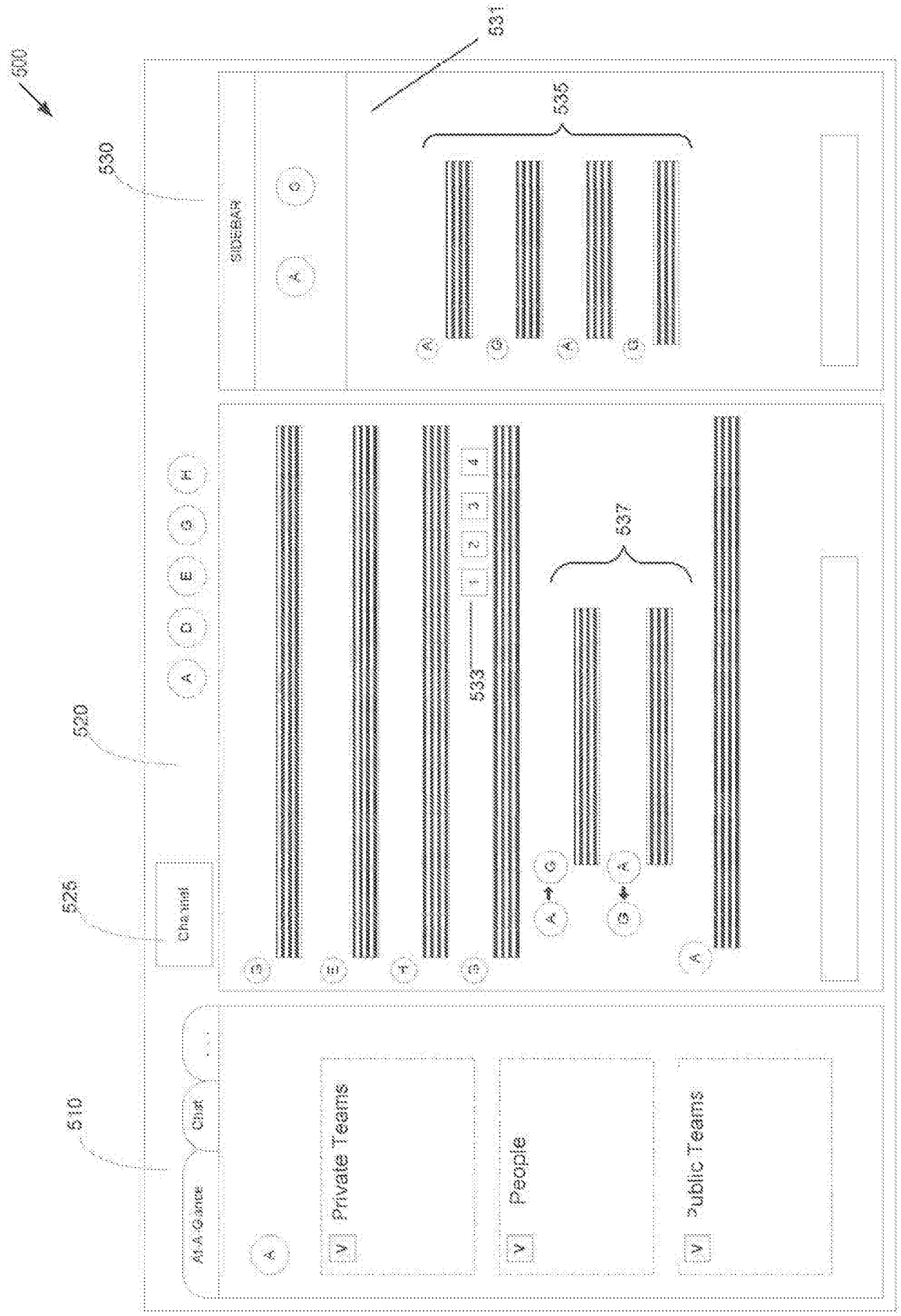
500
510
520
525
530
531
533
535
537
SIDEBAR
Channel
Chat
Private Teams
People
Public Teams

FIG. 5A

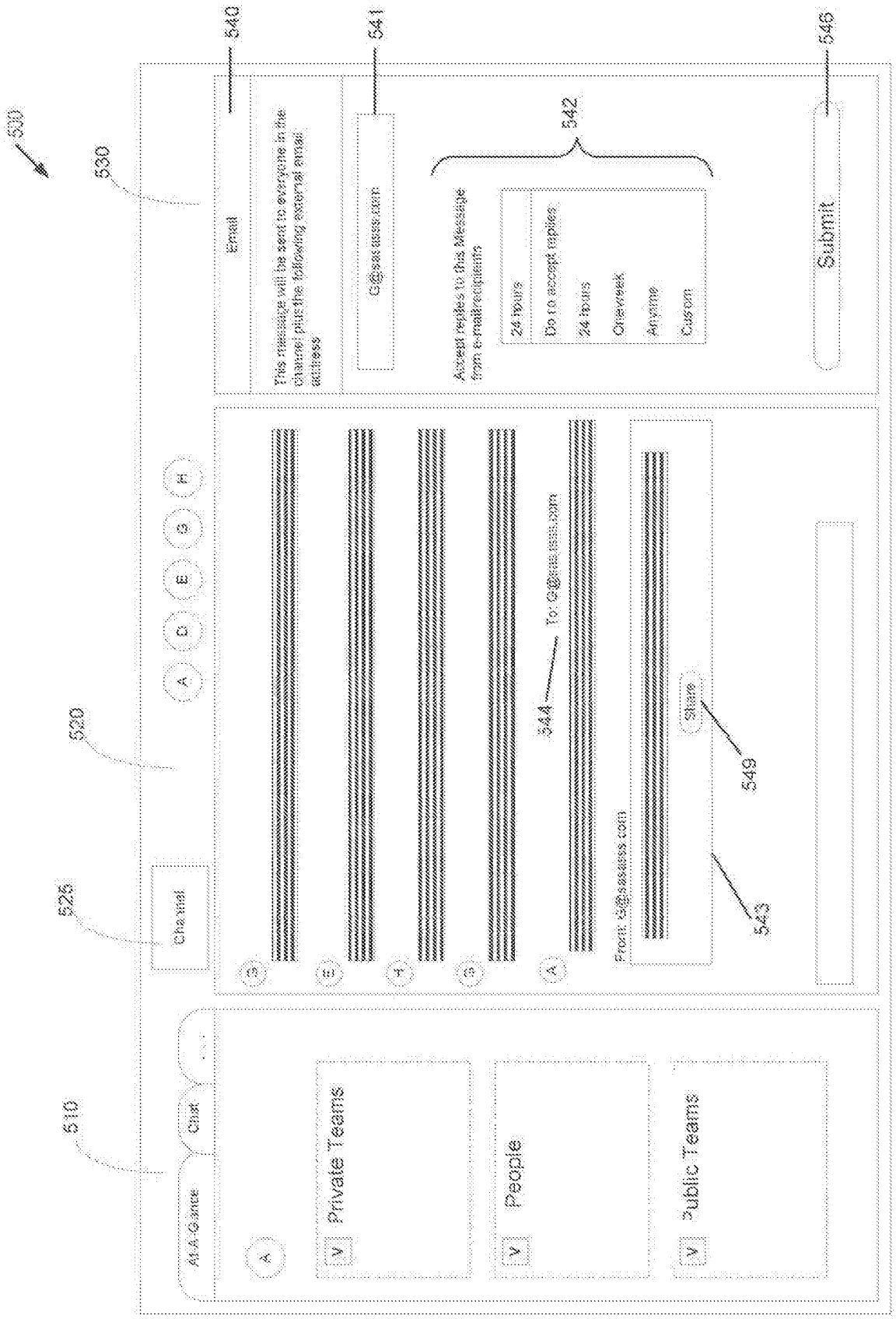
500
510
520
525
530
540
541
542
543
544
546
549
At-A-Glance
Chat
Channel
Private Teams
People
Public Teams
Email
This message will be sent to everyone in the channel plus the following external email address
G@sasass.com
Accept replies to this Message from e-mail recipients
24 hours
Do no accept replies
24 hours
One week
Anytime
Custom
Submit
Share
To: G@sasass.com
From: G@sasass.com

FIG. 5B

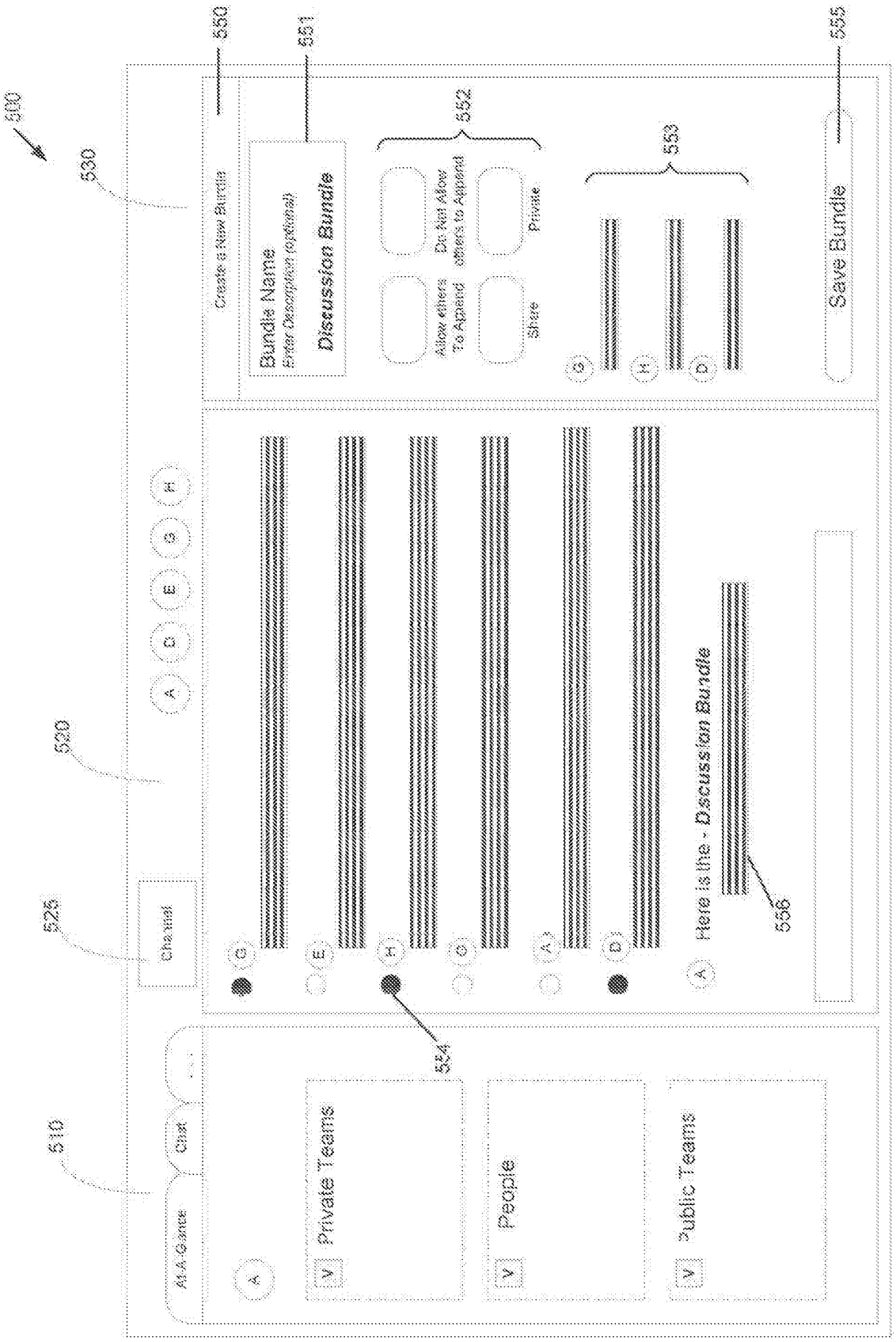
500
510
520
525
530
550
551
552
553
554
555
556
At A Glance
Chat
Channel
Private Teams
People
Public Teams
Create a New Bundle
Bundle Name
Enter Description (optional)
Discussion Bundle
Allow others To Append
Do Not Allow others to Append
Share
Private
Save Bundle
Here is the - Discussion Bundle

FIG. 5C

500
510
520
525
530
560
561
562
563
564
565
566
567
533
At A Glance
Chat
Channel
Private Teams
People
Public Teams
Audition
For Skills
Cart
Tokens
Vendor 1
$10.00
Payment Method
Approve and Send

FIG. 5D

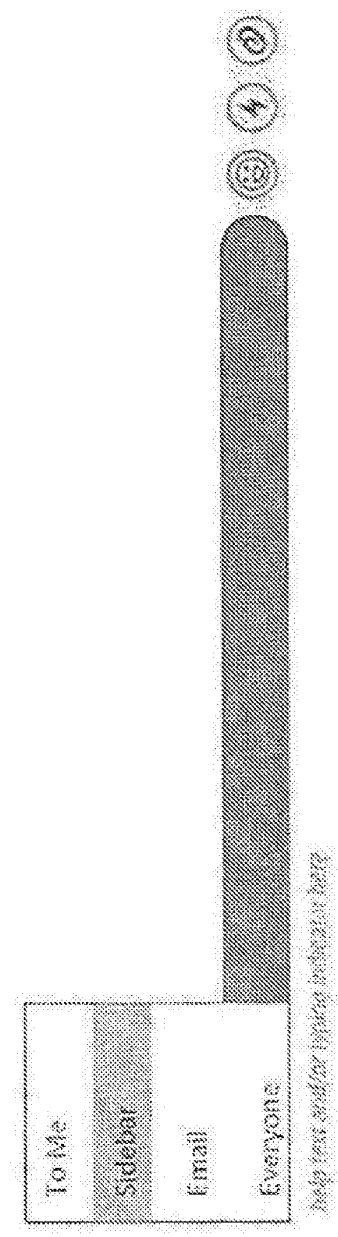

FIG. 5E

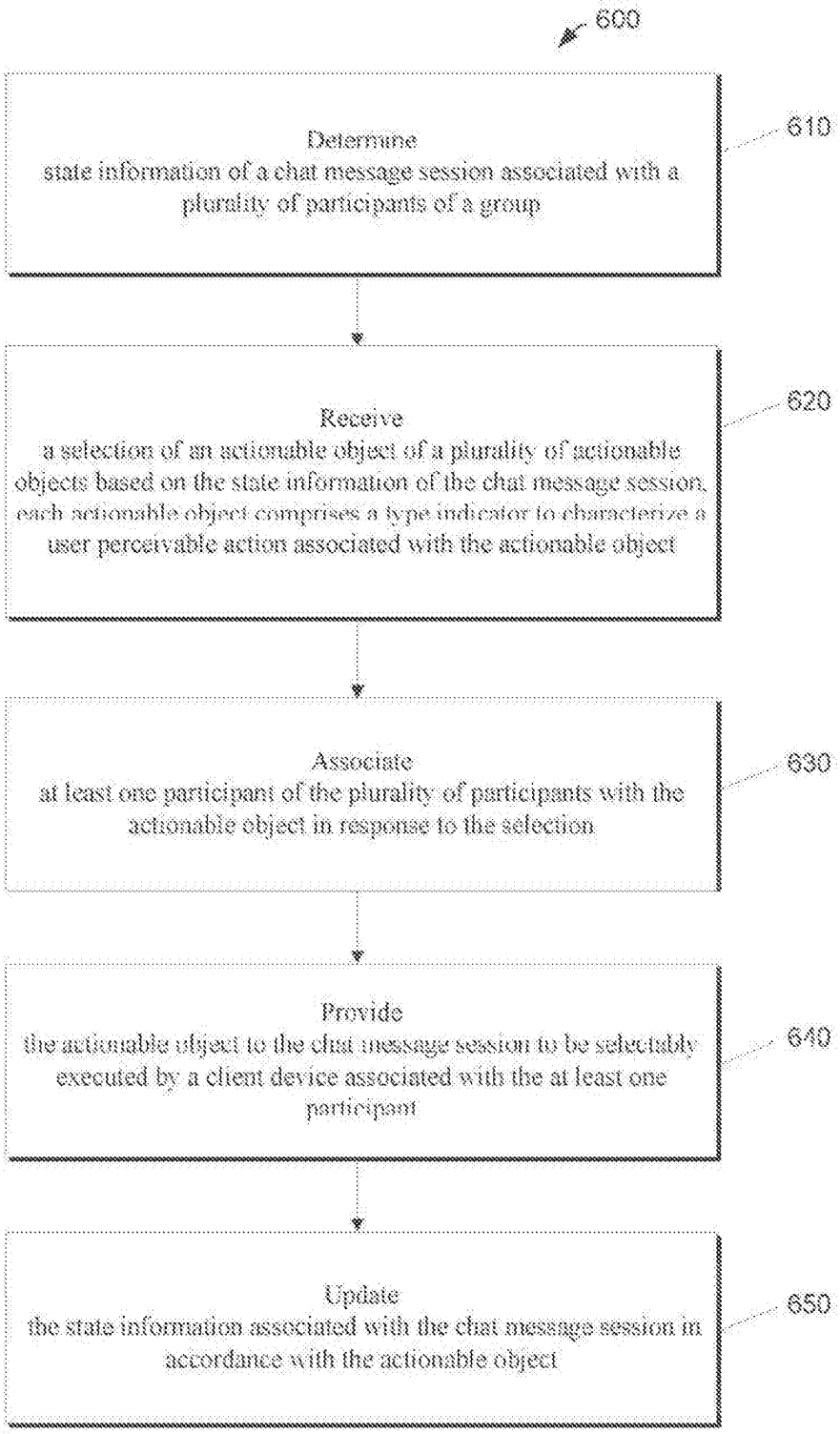
600
Determine
state information of a chat message session associated with a plurality of participants of a group
610
Receive
a selection of an actionable object of a plurality of actionable objects based on the state information of the chat message session, each actionable object comprises a type indicator 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

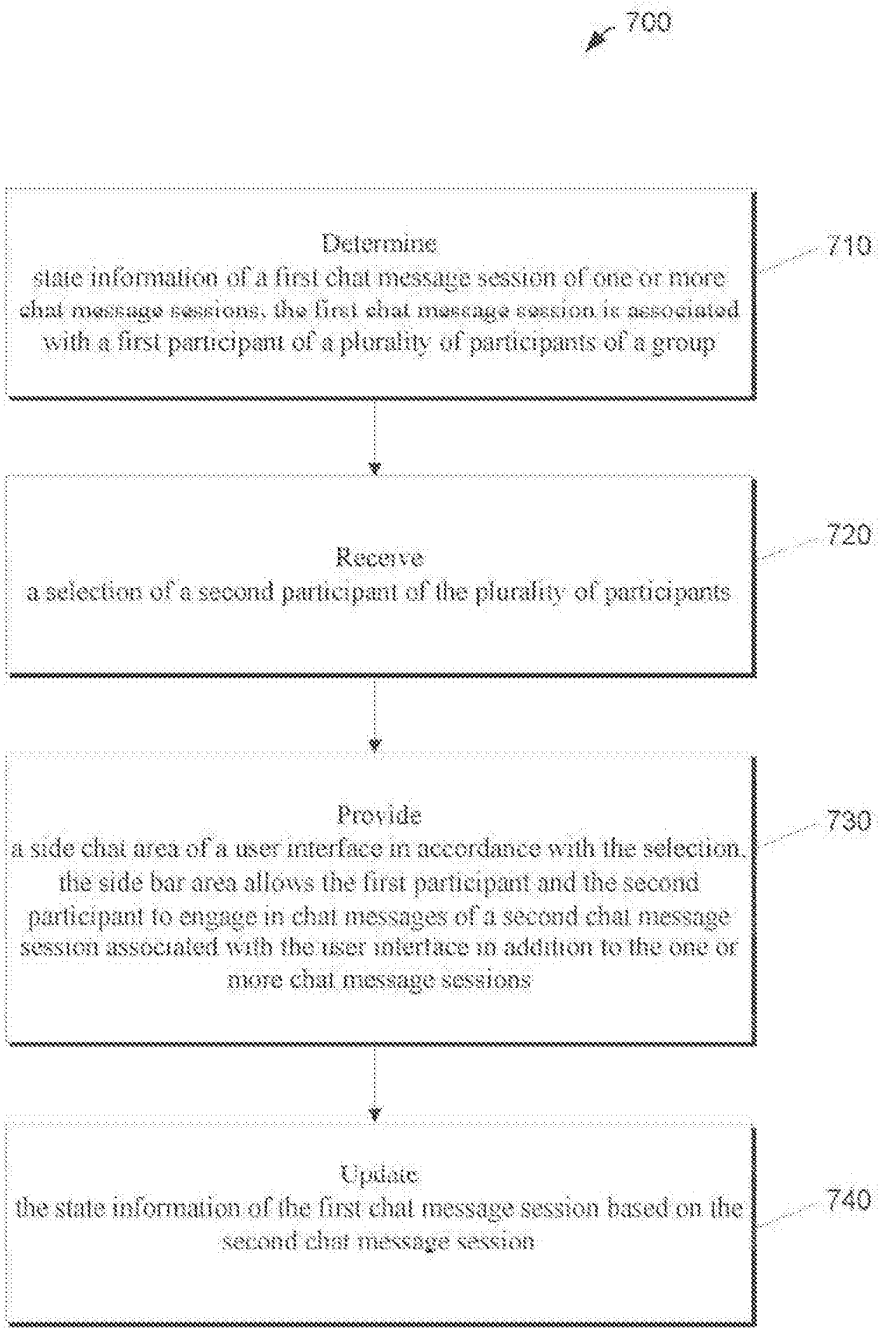
700
Determine
state information of a first chat message session of one or more chat message sessions, the first chat message session is associated with a first participant of a plurality of participants of a group
710
Receive
a selection of a second participant of the plurality of participants
720
Provide
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

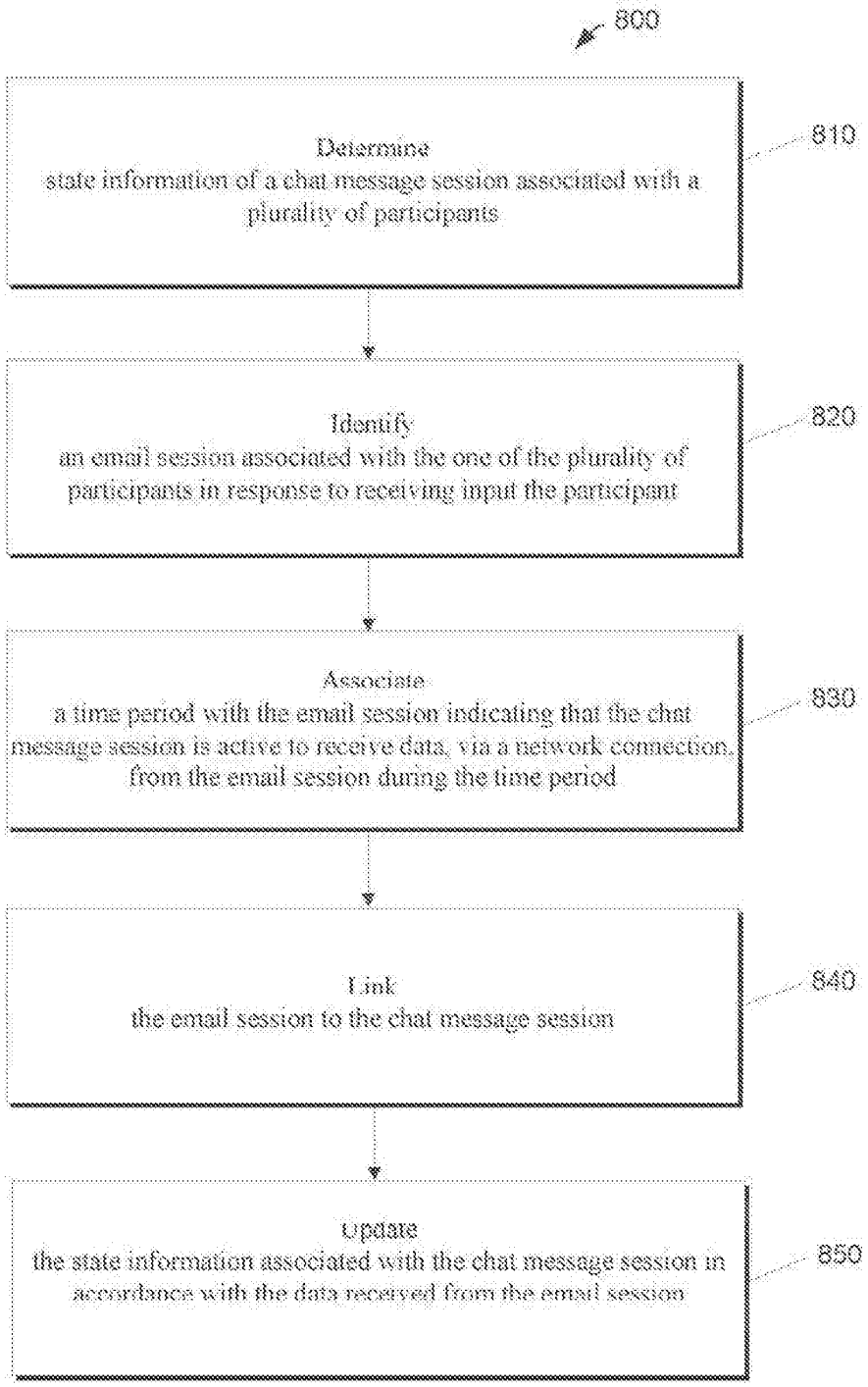
800
Determine
state information of a chat message session associated with a plurality of participants
810
Identify
an email session associated with the one of the plurality of participants in response to receiving input the participant
820
Associate
a time period with the email session indicating that 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

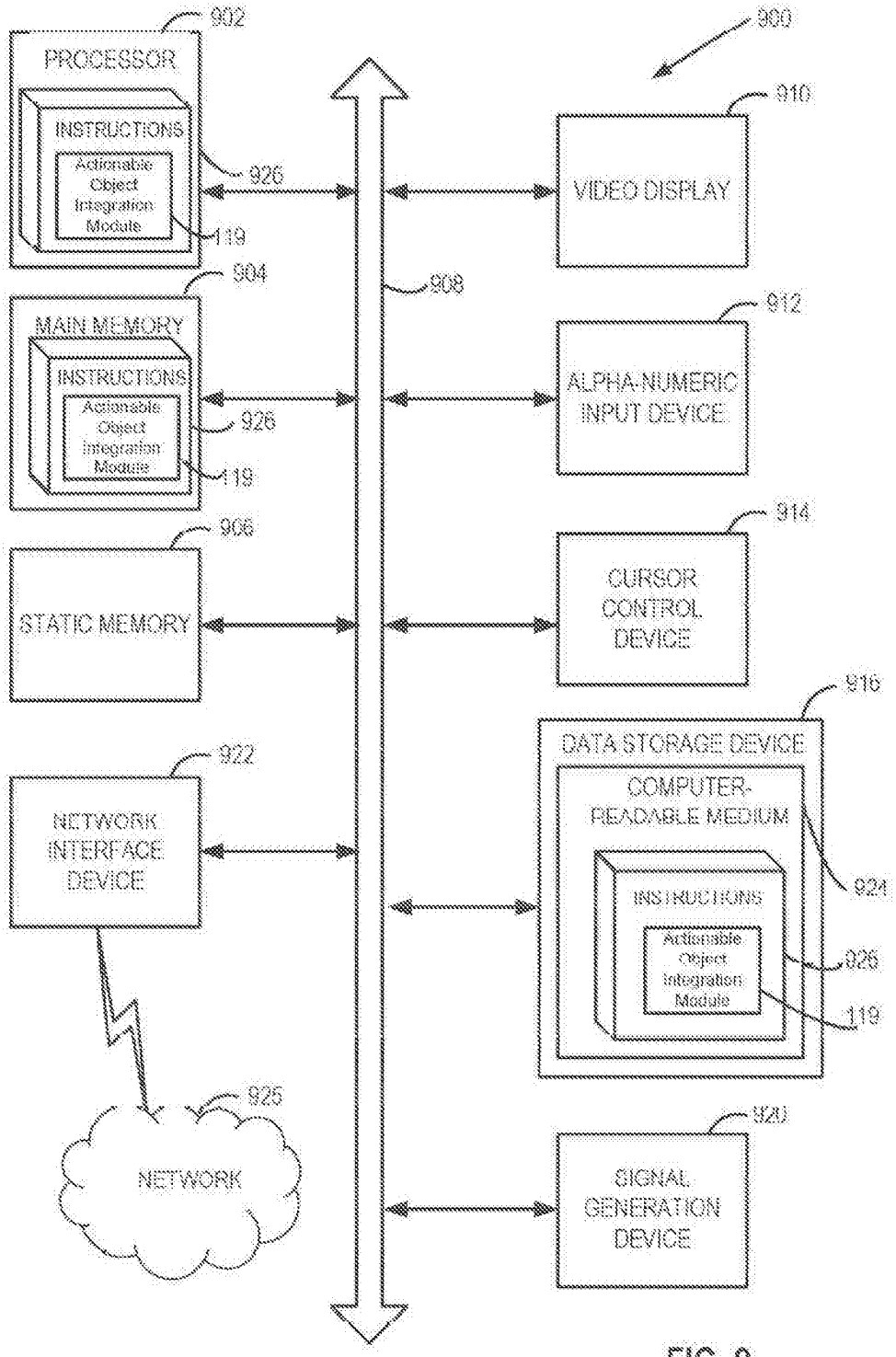
900
902
PROCESSOR
INSTRUCTIONS
Actionable Object Integration Module
926
119
904
MAIN MEMORY
INSTRUCTIONS
Actionable Object Integration Module
926
119
906
STATIC MEMORY
922
NETWORK INTERFACE DEVICE
925
NETWORK
908
910
VIDEO DISPLAY
912
ALPHA-NUMERIC INPUT DEVICE
914
CURSOR CONTROL DEVICE
916
DATA STORAGE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

FIG. 9

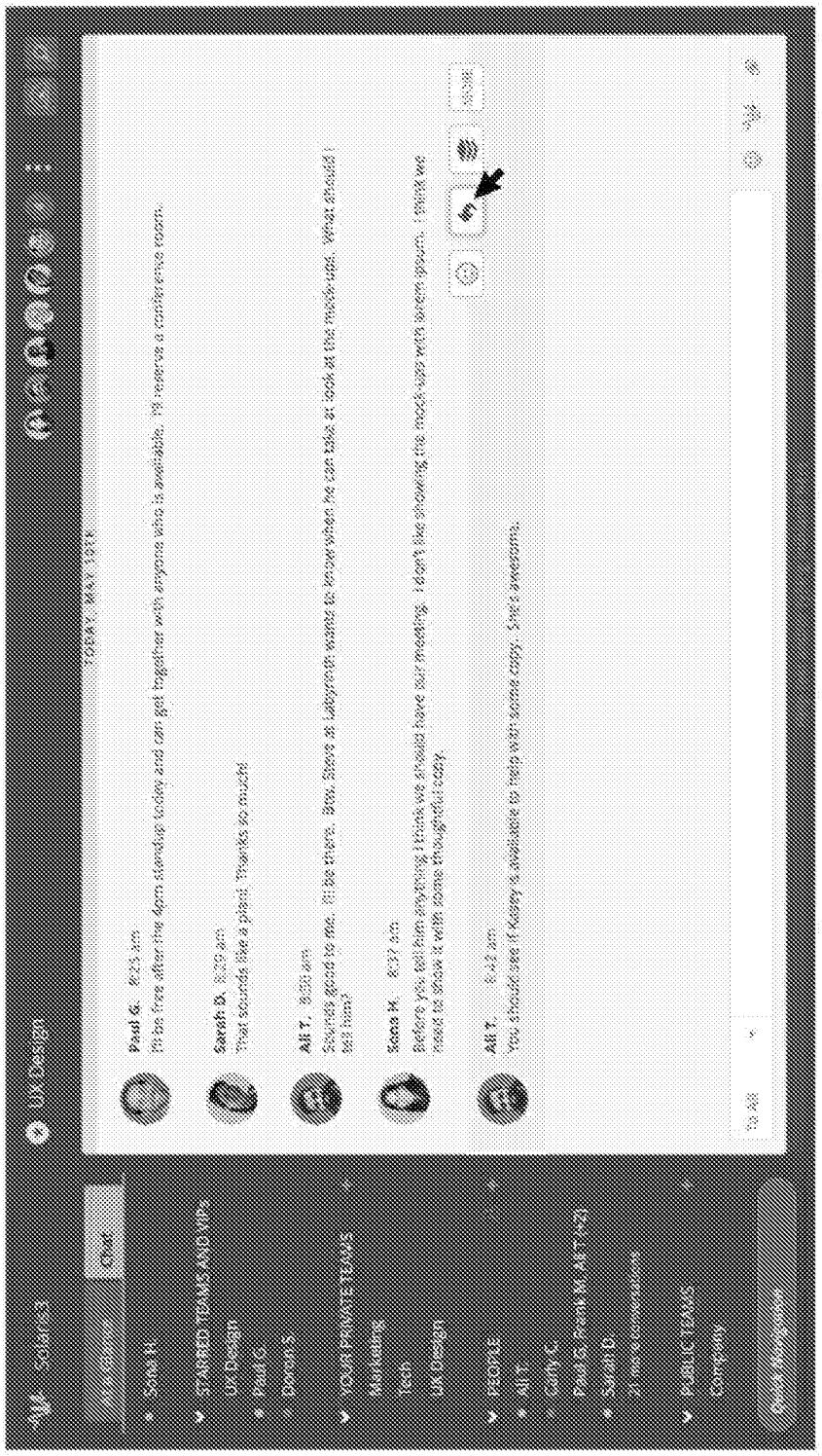
Solaris3
UX Design
Chat
Sona H.
STARRED TEAMS AND VIPs
UX Design
Paul G.
Doron S.
YOUR PRIVATE TEAMS
Marketing
Tech
UX Design
PEOPLE
Ali T.
Carly C.
Paul G. Rank M. Ali T (+2)
Sarah D.
21 more conversations
PUBLIC TEAMS
Company
Paul G.
Sarah D.
Ali T.
Sona H.
Ali T.
TODAY, MAY 10TH

FIG. 10A

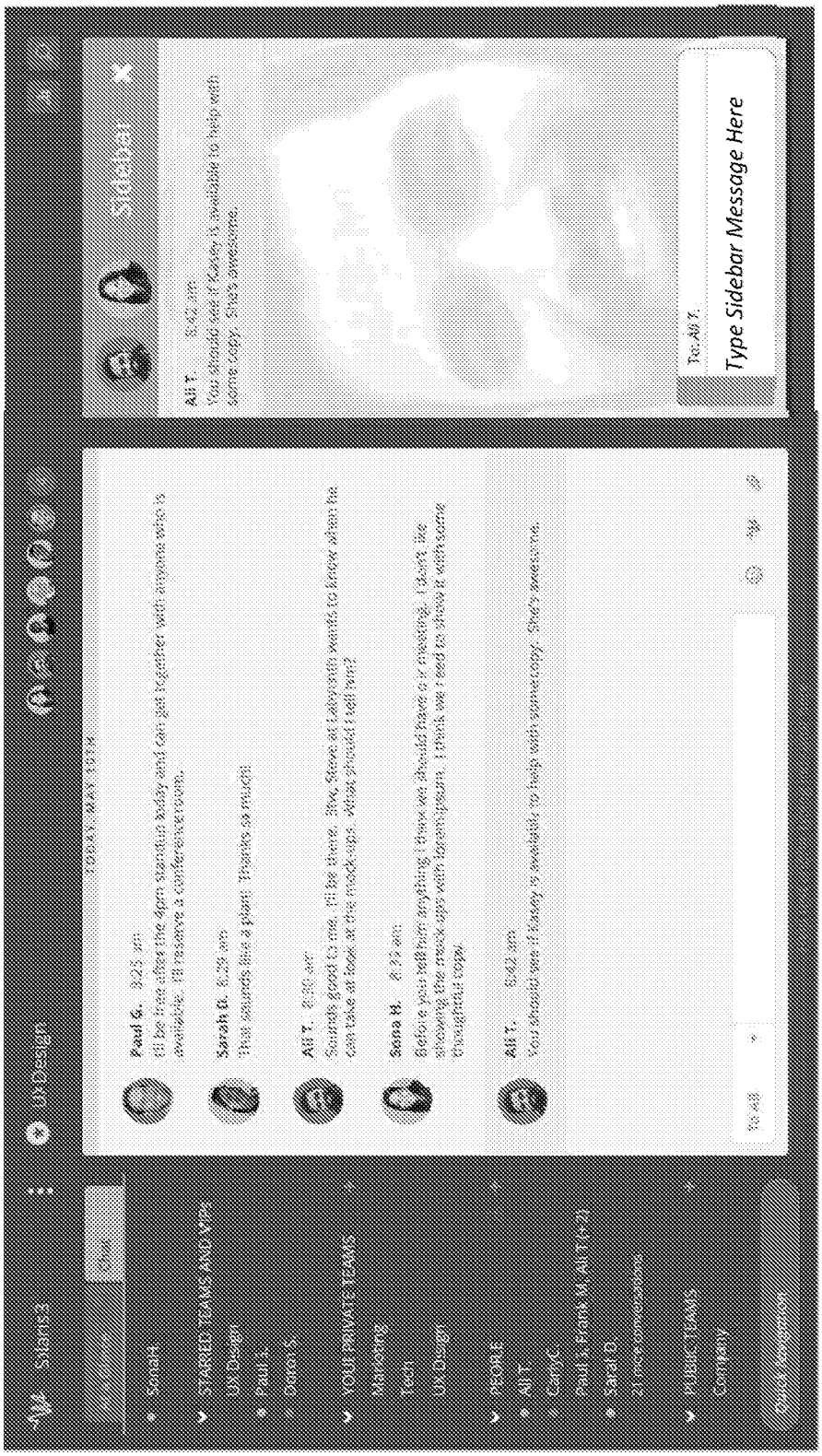
UI Design
Today, May 19th
Paul G. 8:25 am
I'll be free after the 4pm Standup today and can get together with anyone who is available. I'll reserve a conference room.
Sarah B. 8:28 am
That sounds like a plan. Thanks so much!
Ali T. 8:30 am
Sounds good to me. I'll be there. Btw, Steve at Labyrinth wants to know when he can take a look at the mock-ups. What should I tell him?
Sona H. 8:32 am
Before you tell him anything, I think we should have a rehearsal. 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.
Sidebar
Ali T. 8:42 am
You should see if Kasey is available to help with some copy. She's awesome.
To: Ali T.
Type Sidebar Message Here

FIG. 10B

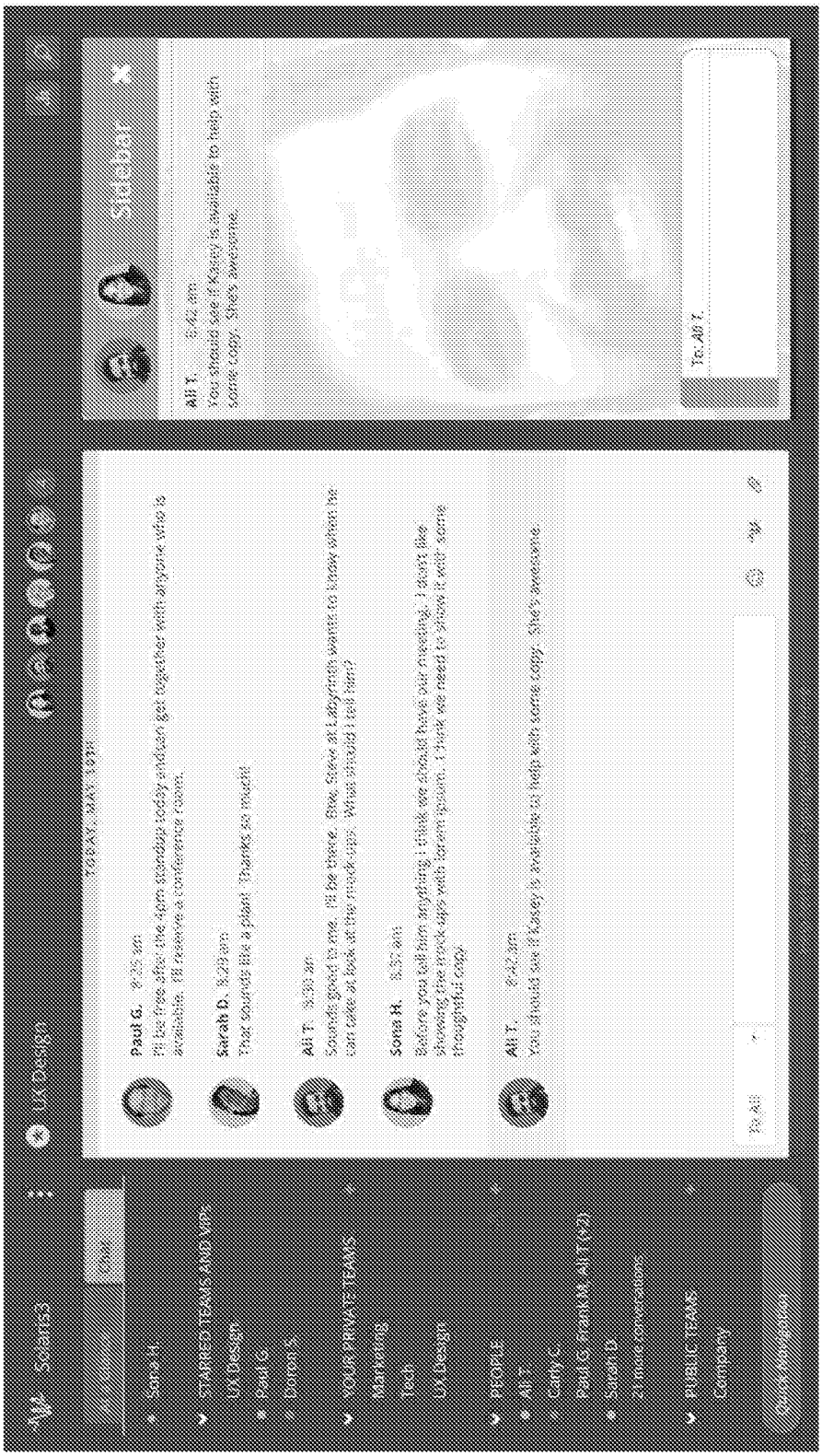

FIG. 10C

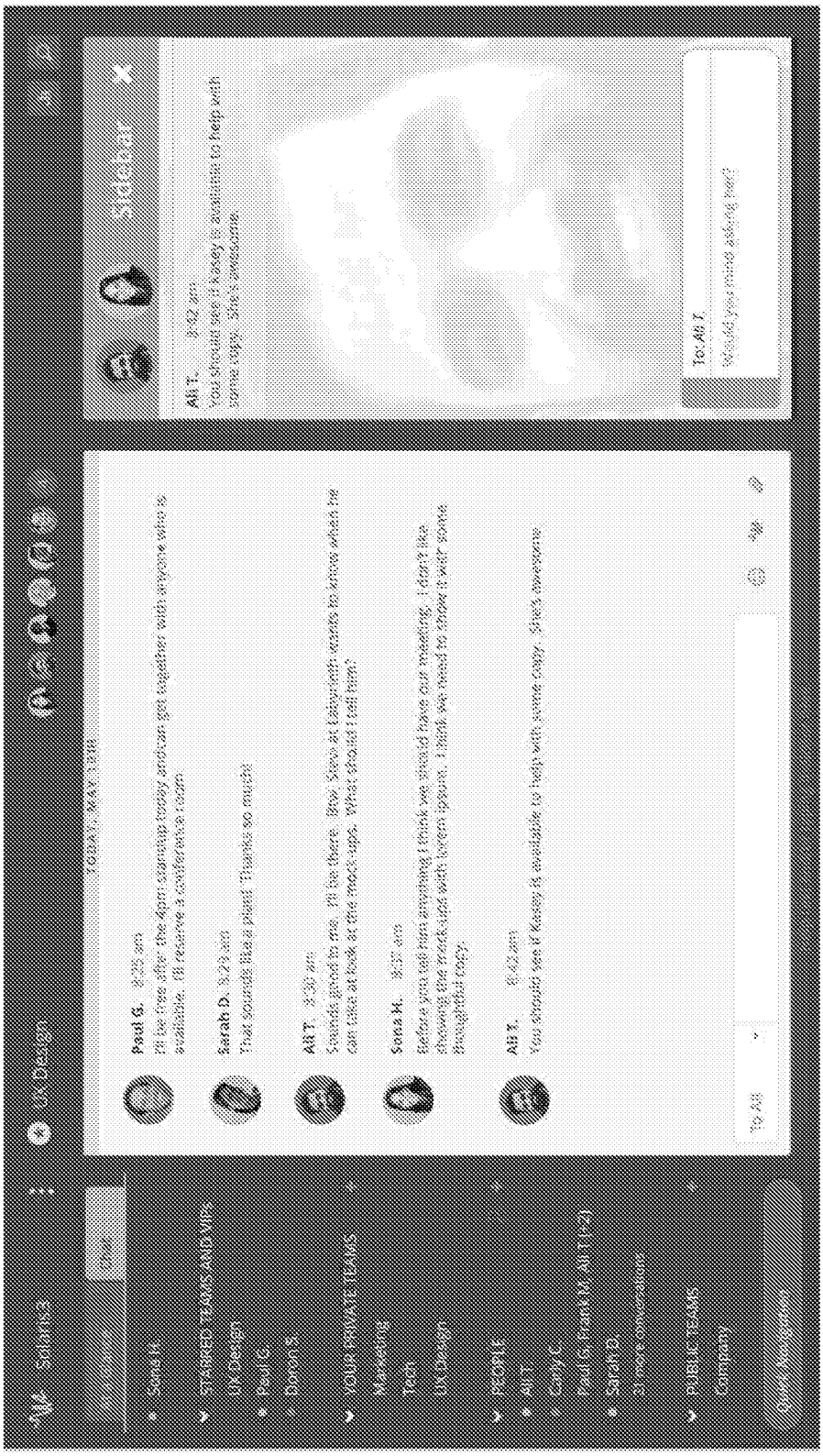
Solaris3
UX Design
Sidebar
Paul G.
Sarah D.
Ali T.
Sona H.
Ali T.
To: Ali T.
To: All

FIG. 10D

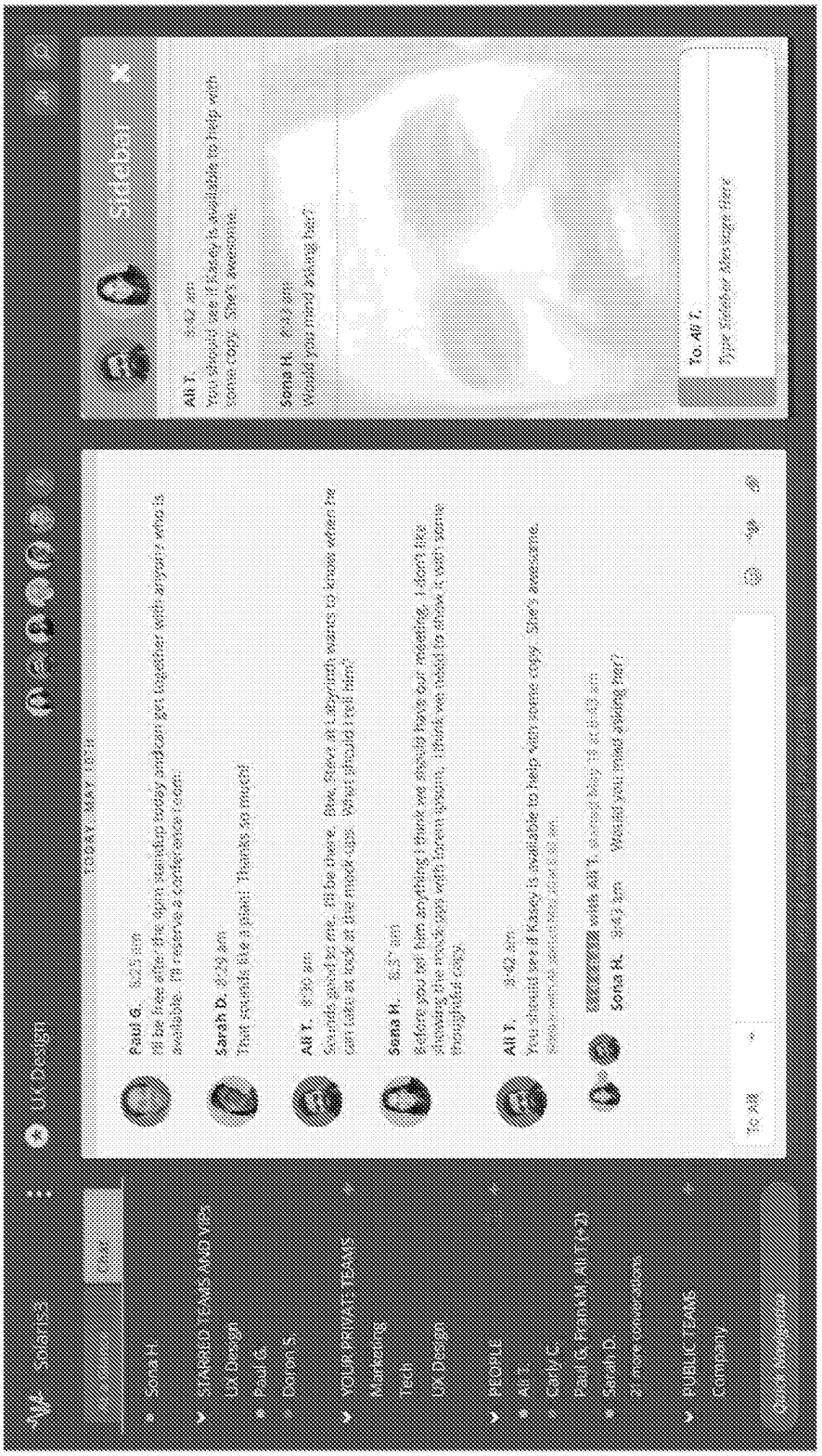
Solaris3
UX Design
Sidebar
Sona H.
STARRED TEAMS AND VIPs
UX Design
Paul G.
Doron S.
YOUR PRIVATE TEAMS
Marketing
Tech
UX Design
PEOPLE
Ali T.
Carly C.
Paul G. Frank M. Ali T. (+2)
Sarah D.
21 more conversations
PUBLIC TEAMS
Company
Paul G.
Sarah D.
Ali T.
Sona H.
Ali T.
Sona H.
Ali T.
Sona H.
To Ali T.
Type Sidebar Message Here

FIG. 10E

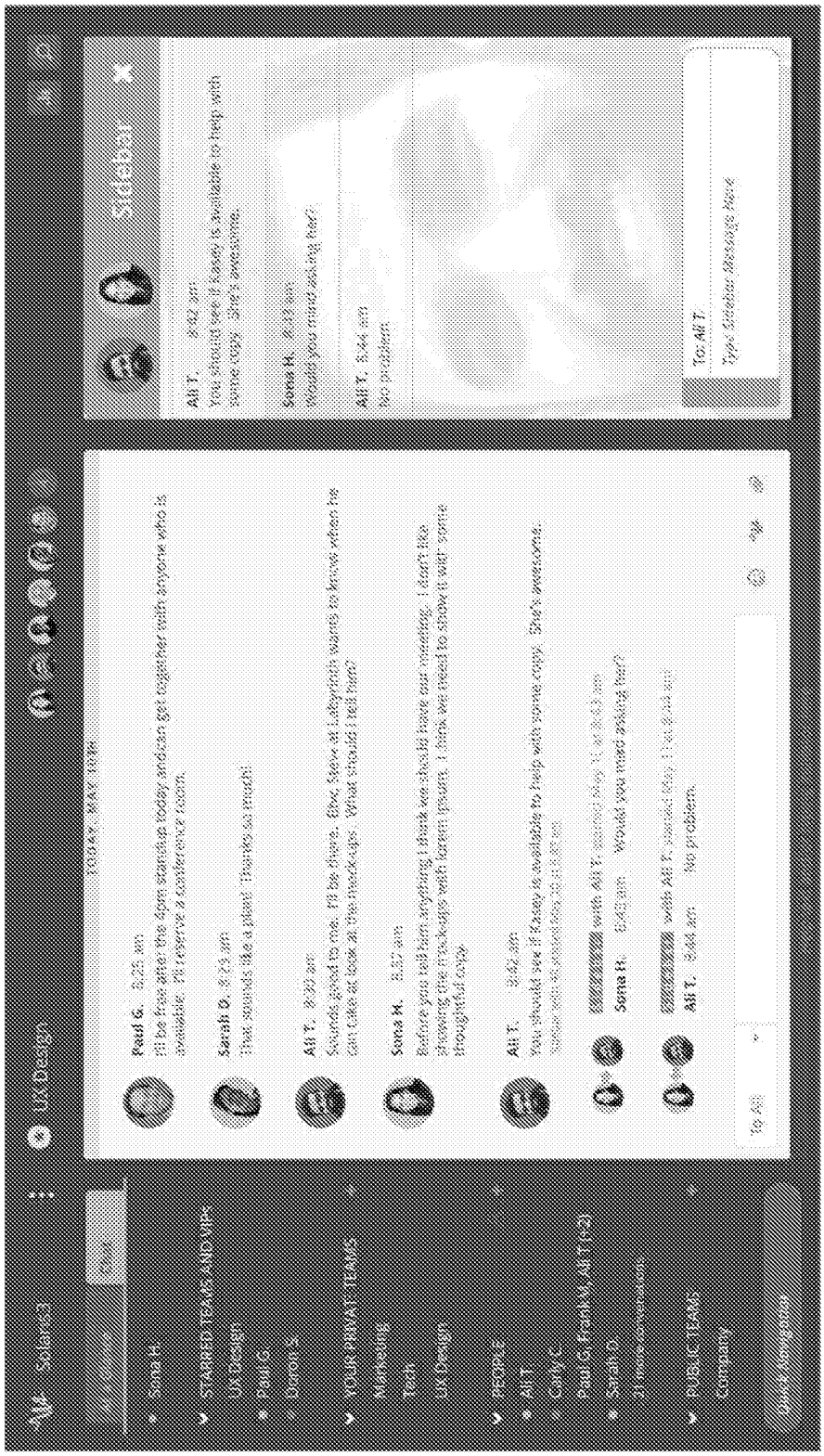
Solaris3
UX Design
Sidebar
Sona H.
STARRED TEAMS AND VIPs
UX Design
Paul G.
Doron S.
YOUR PRIVATE TEAMS
Marketing
Tech
UX Design
PEOPLE
Ali T.
Carly C.
Paul G, Frank M, Ali T (+2)
Sarah D.
PUBLIC TEAMS
Company
Quick Navigation
TODAY, MAY 10TH
Paul G. 8:25 am
I'll be free after the 4pm standup today and can get together with anyone who is available. I'll reserve a conference room.
Sarah D. 8:25 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?
Sona H. 8:32 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.
To All
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.
To: Ali T.
Type Sidebar Messages Here

FIG. 10F

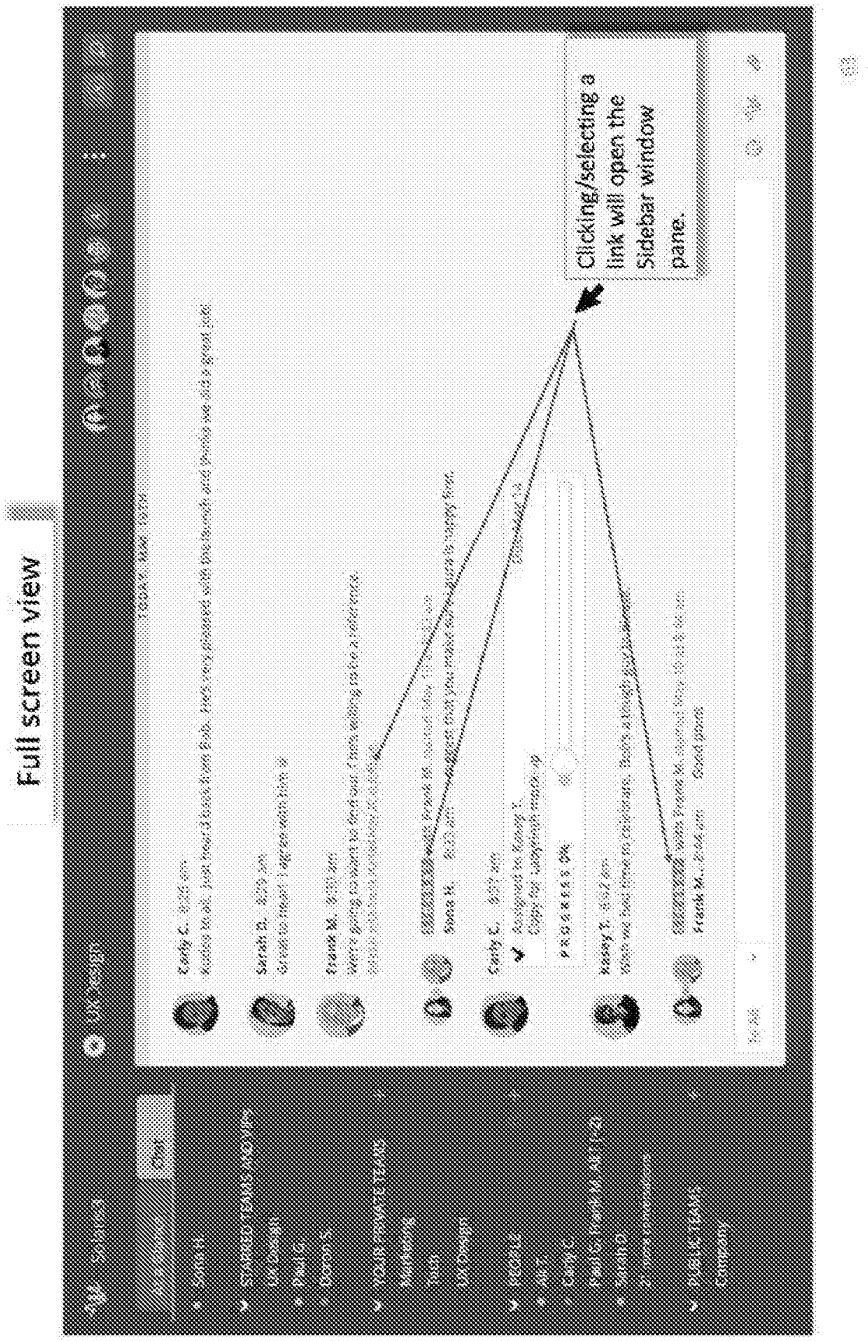
Full screen view
Clicking/selecting a link will open the Sidebar window pane.

FIG. 10G

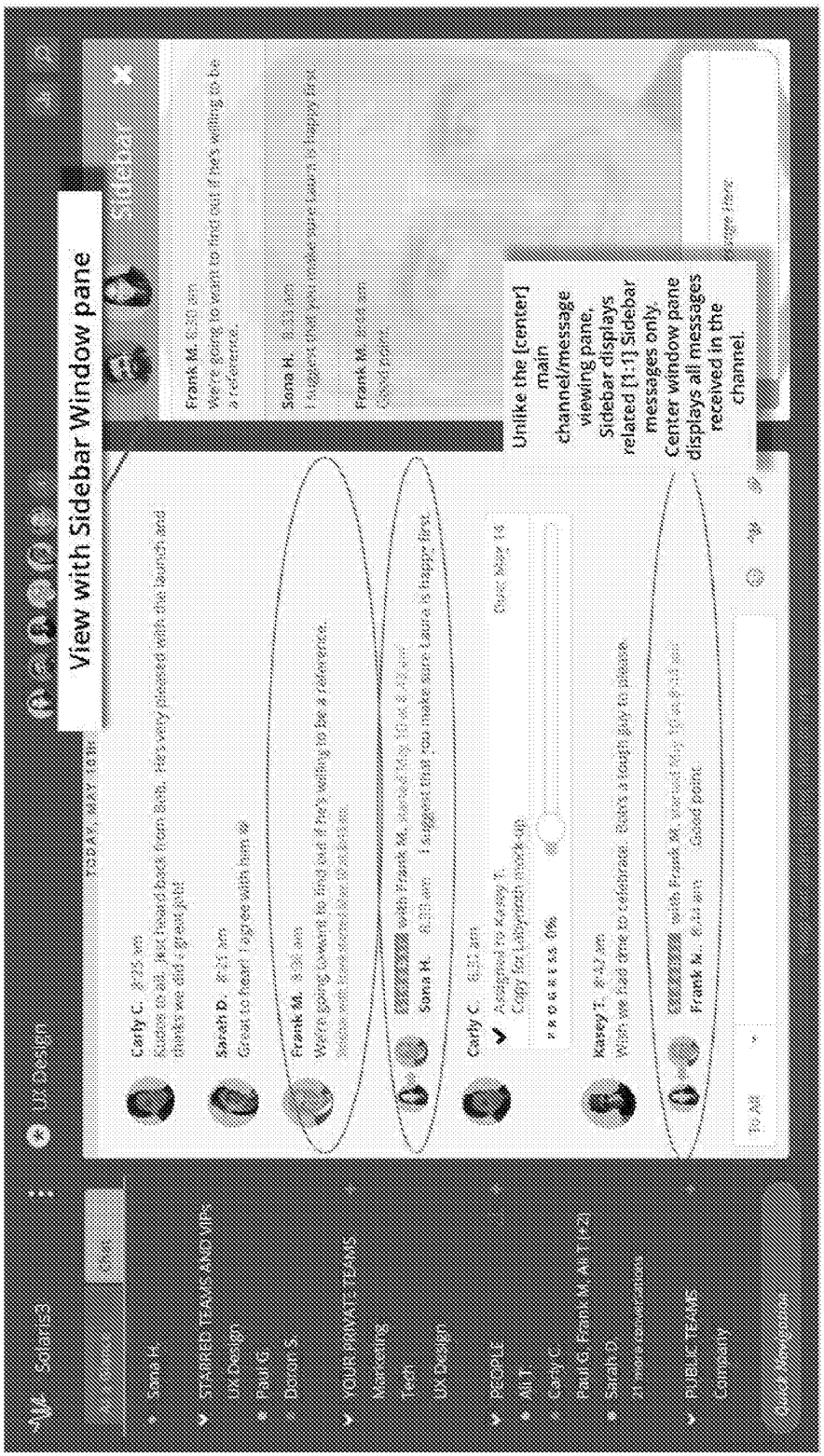
View with Sidebar Window pane
Unlike the [center] main channel/message viewing pane, Sidebar displays related [1:1] Sidebar messages only.
Center window pane displays all messages received in the channel.

FIG. 10H

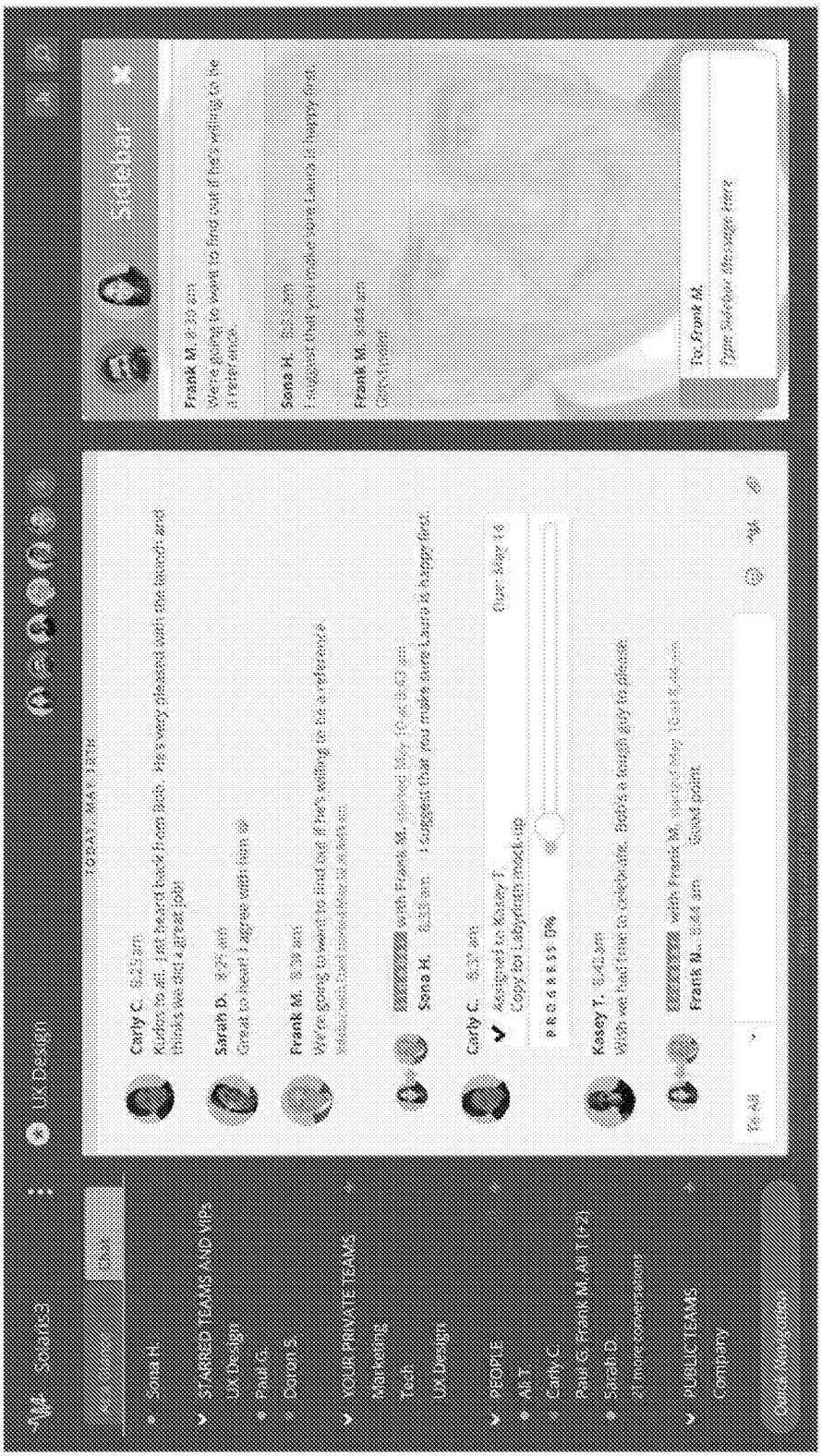
Solaris3
UX Design
Sidebar
Sona H.
STARRED TEAMS AND VIPs
UX Design
Paul G.
Doron S.
YOUR PRIVATE TEAMS
Marketing
Tech
UX Design
PEOPLE
Ali T.
Carly C.
Paul G. Frank M. Ali T. (+2)
Sarah D.
PUBLIC TEAMS
Company
Carly C.
Sarah D.
Frank M.
Sona H.
Carly C.
Kasey T.
Frank M.
Frank M.
Sona H.
Frank M.
To: Frank M.
Type Sidebar Message Here

FIG. 10I

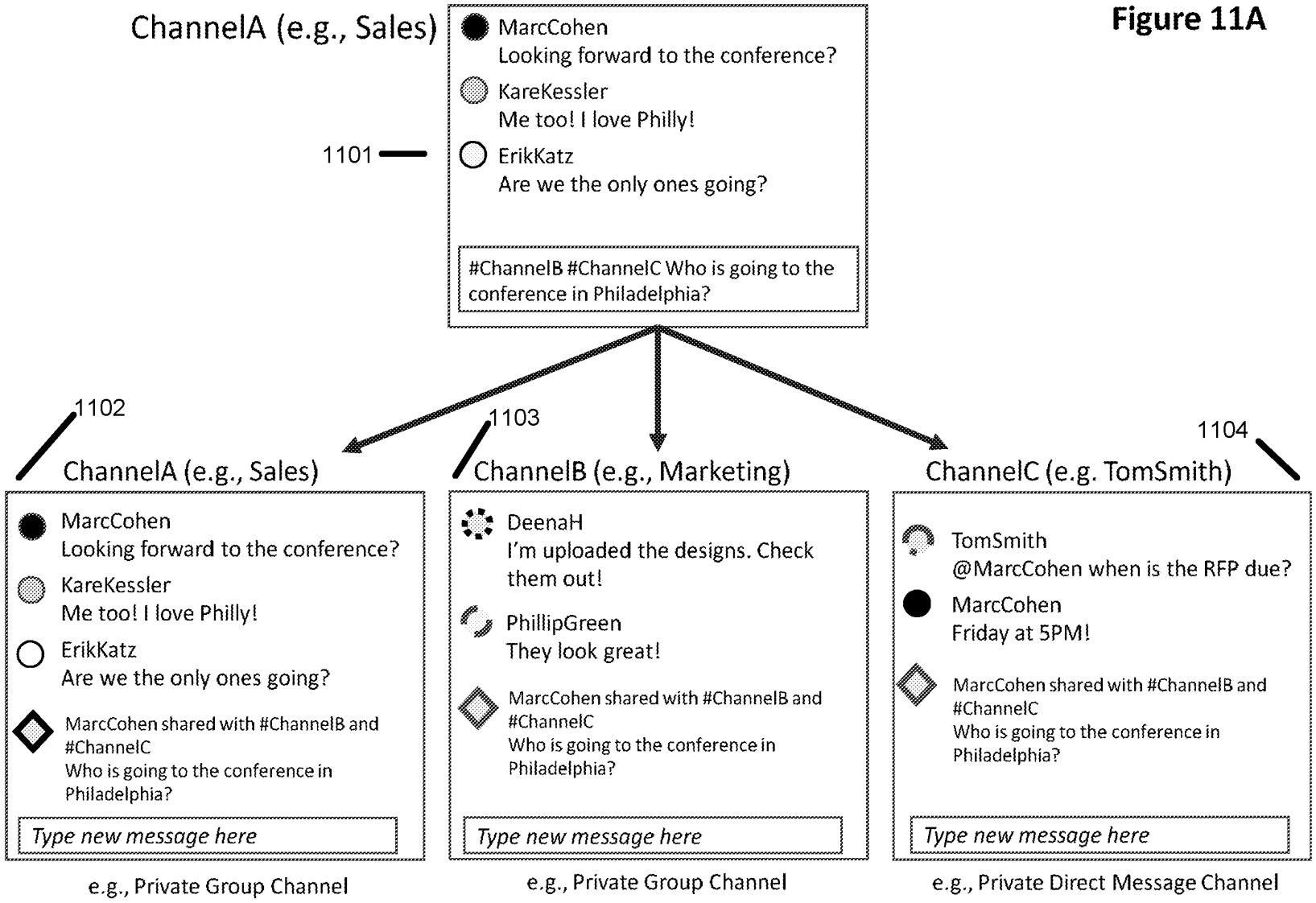

Figure 11A

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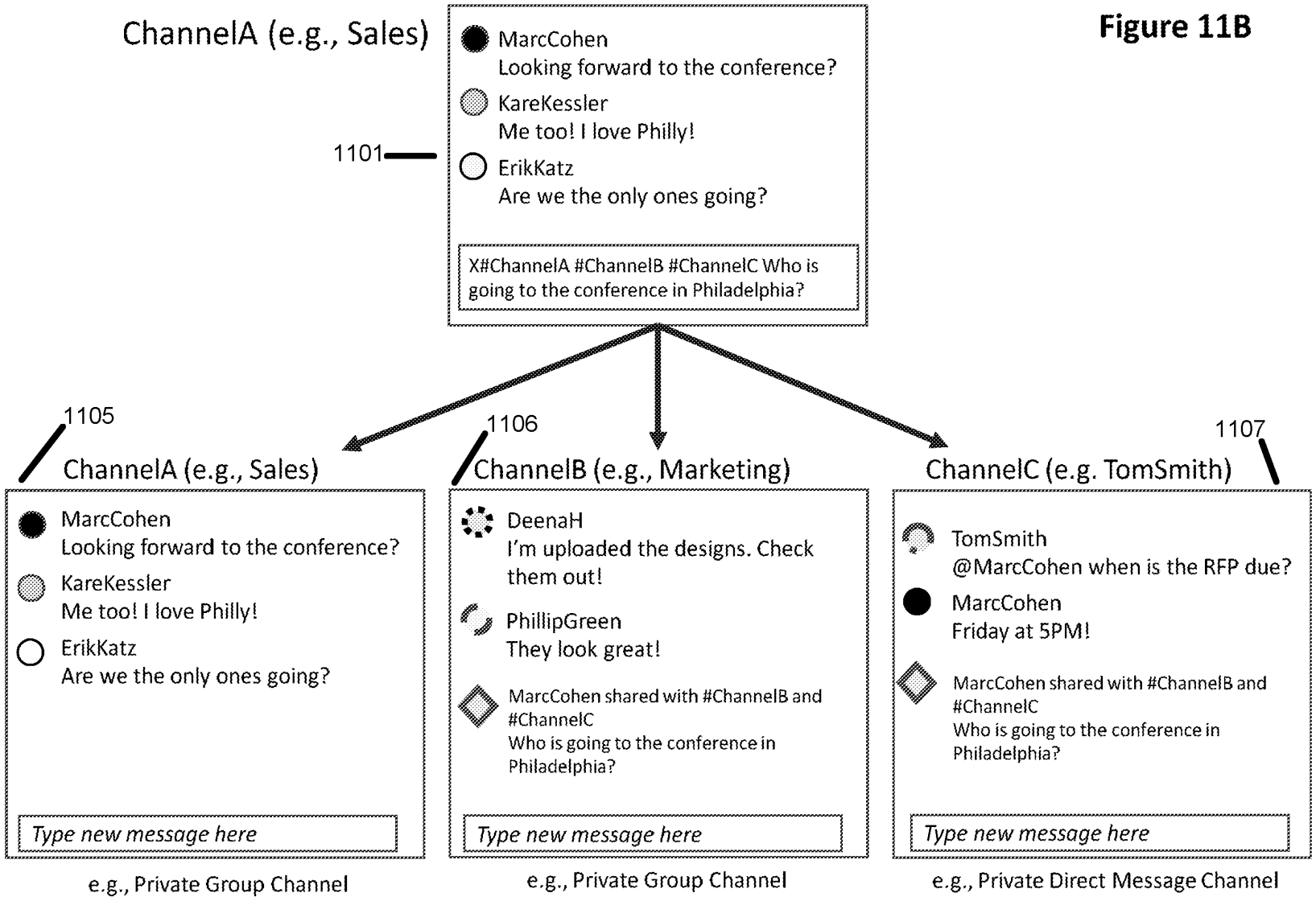

Figure 11B

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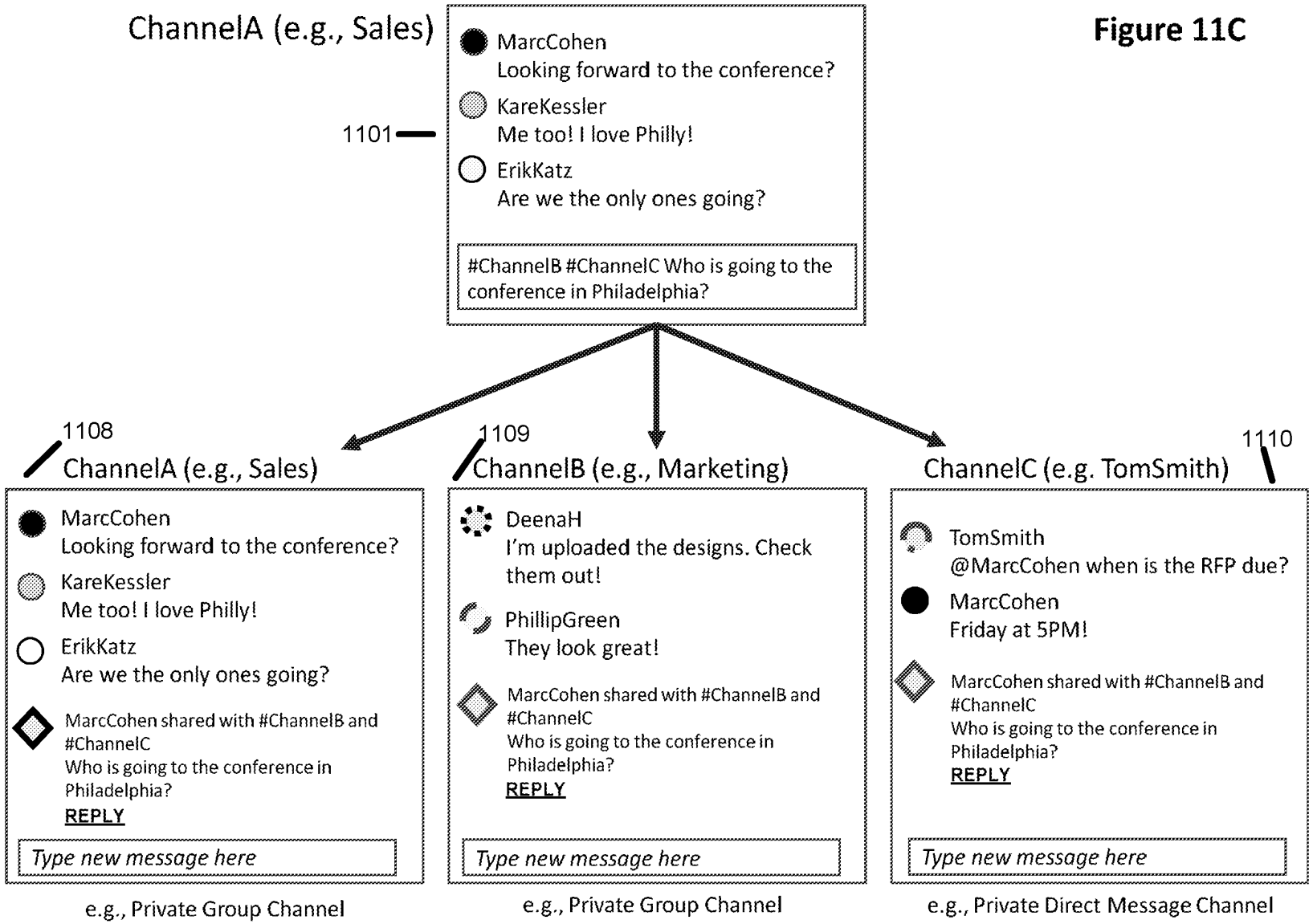

Figure 11C

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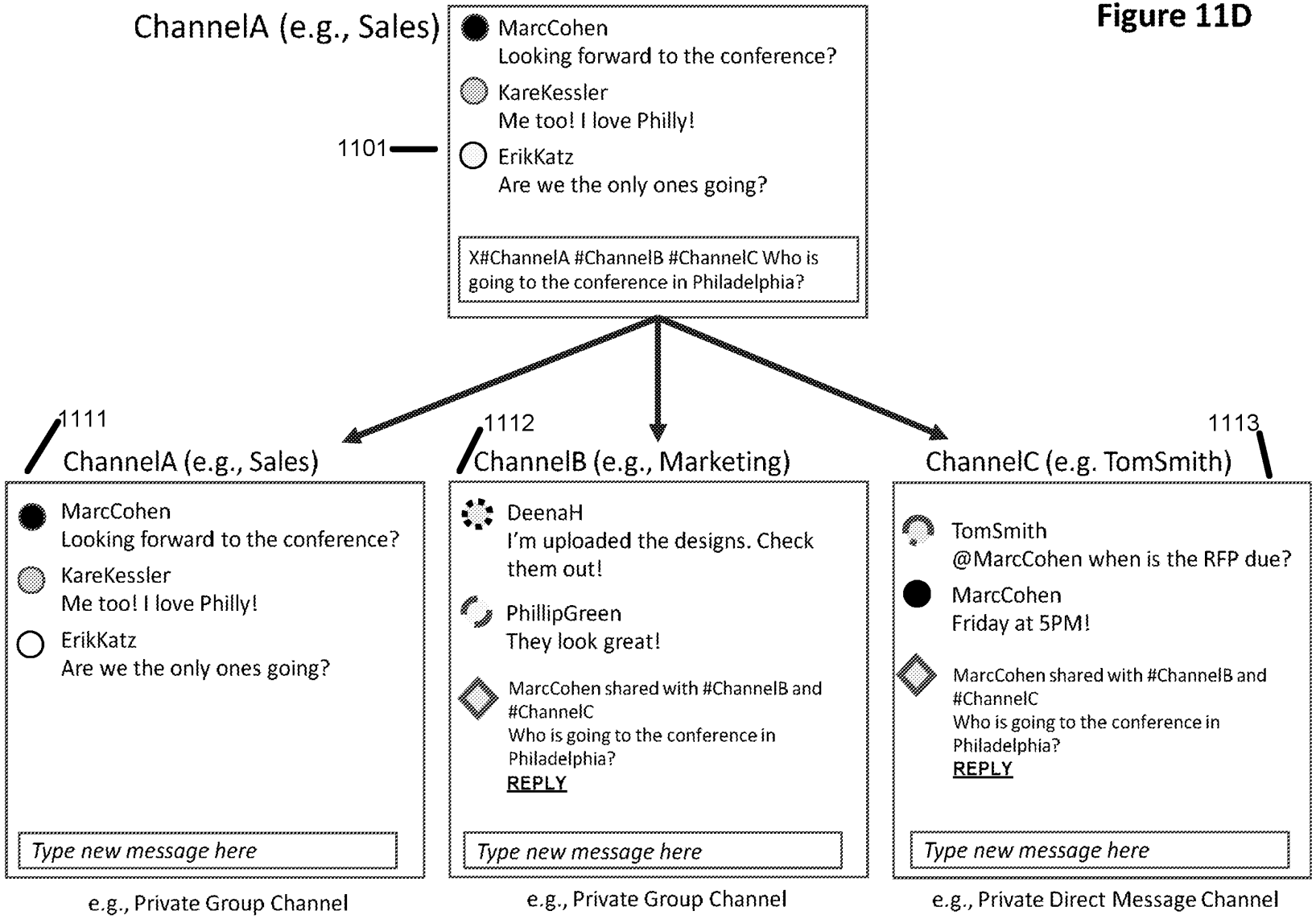

Figure 11D

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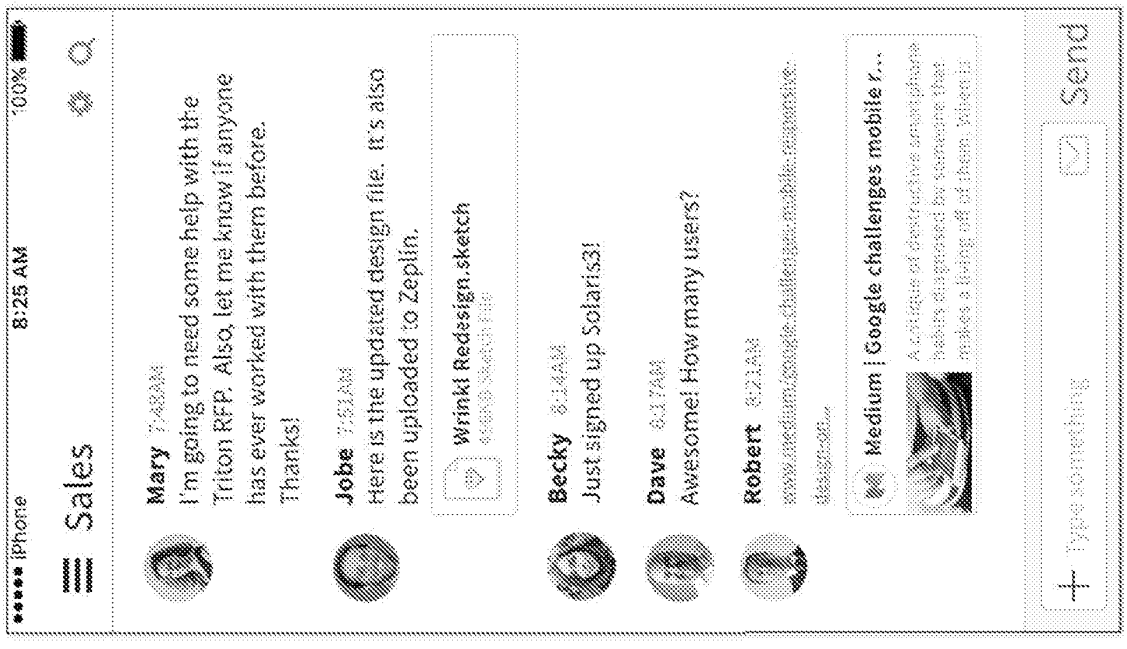

Figure 12A

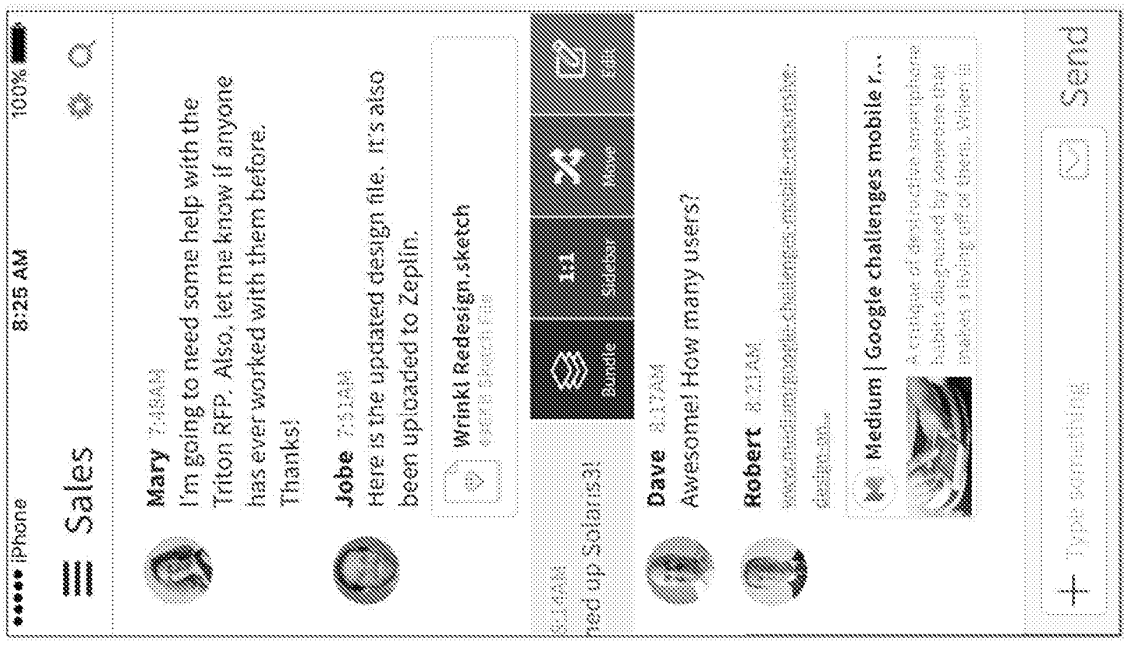

Figure 12B

Figure 12C

Figure 12D

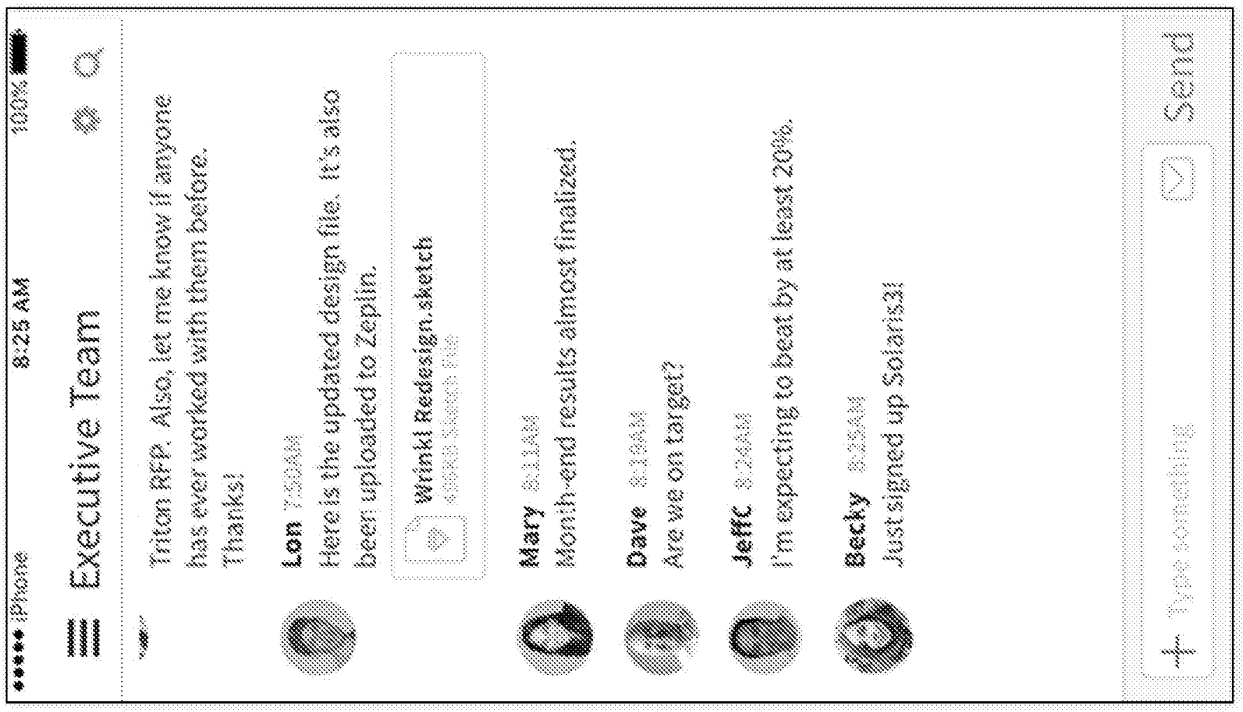
iPhone
8:25 AM
100%
Executive Team
Triton RFP. Also, let me know if anyone has ever worked with them before. Thanks!
Lon 7:50AM
Here is the updated design file. It's also been uploaded to Zeplin.
Wrinkl Redesign.sketch
Mary 8:11AM
Month-end results almost finalized.
Dave 8:19AM
Are we on target?
Jeffc 8:24AM
I'm expecting to beat by at least 20%.
Becky 8:29AM
Just signed up Solaris31
Type something
Send

Figure 12E

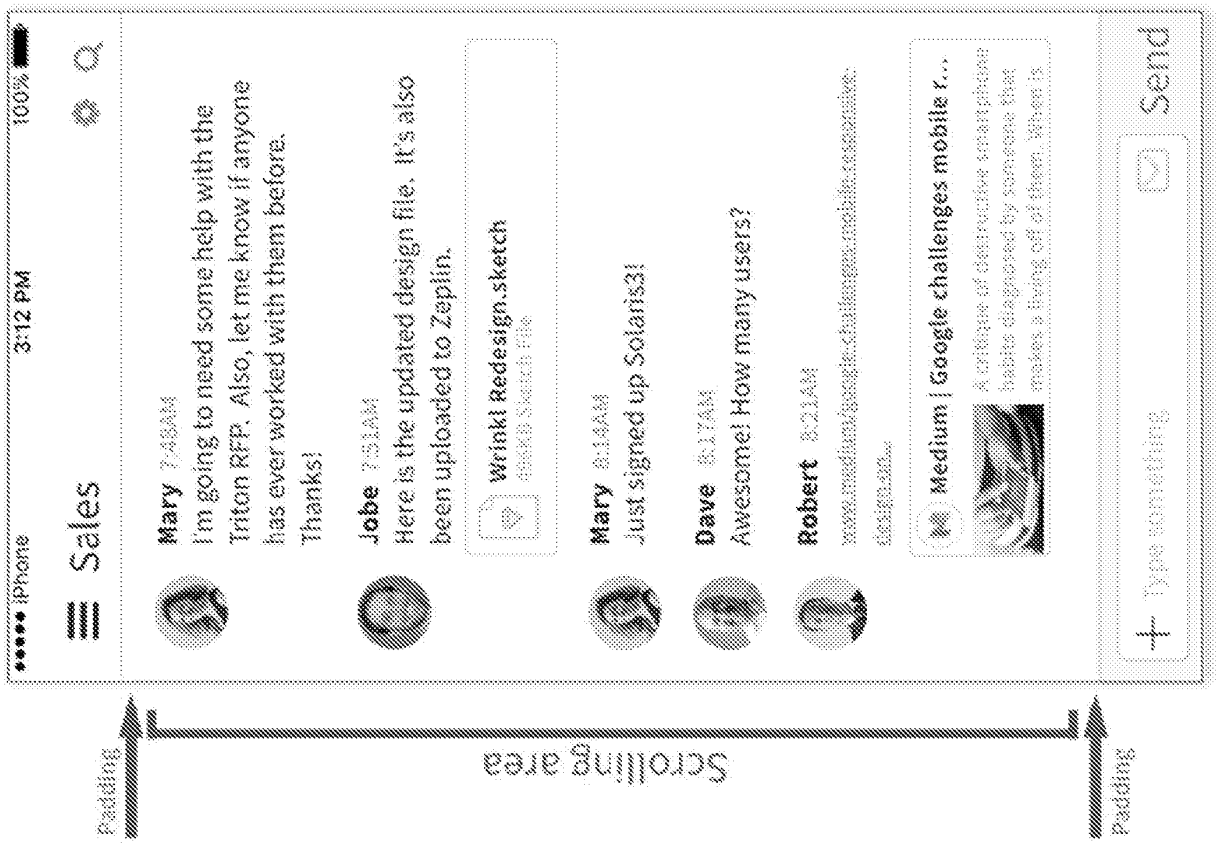
iPhone
3:12 PM
100%
Sales
Mary 7:45AM
I'm going to need some help with the Triton RFP. Also, let me know if anyone has ever worked with them before.
Thanks!
Jobe 7:51AM
Here is the updated design file. It's also been uploaded to Zeplin.
Wrink! Redesign.sketch
Mary 8:14AM
Just signed up Solaris3!
Dave 8:17AM
Awesome! How many users?
Robert 8:21AM
www.medium/google-challenges-mobile-r...
Medium | Google challenges mobile r...
Type something
Send
Padding
Scrolling area
Padding

Figure 13A

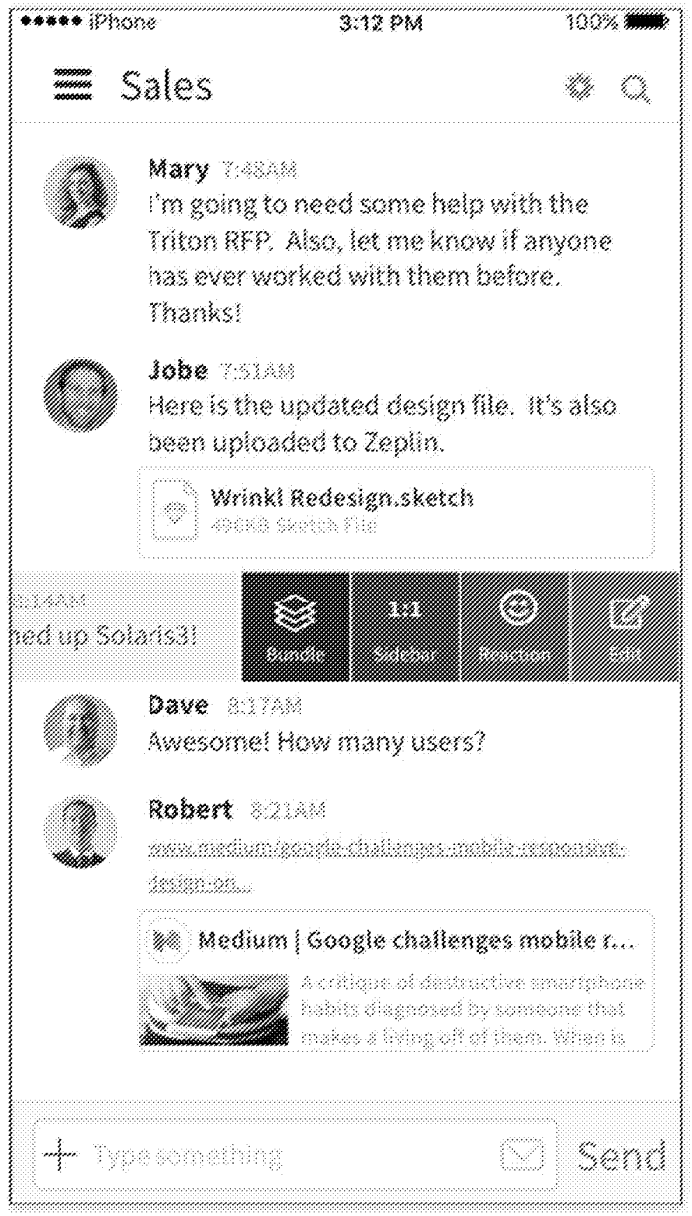
iPhone
3:12 PM
100%
Sales
Mary 7:48AM
I'm going to need some help with the Triton RFP. Also, let me know if anyone has ever worked with them before. Thanks!
Jobe 7:51AM
Here is the updated design file. It's also been uploaded to Zeplin.
Wrinkl Redesign.sketch
Bundle
1:1
Sidebar
Reaction
Edit
Dave 8:17AM
Awesome! How many users?
Robert 8:21AM
Medium | Google challenges mobile r...
A critique of destructive smartphone habits diagnosed by someone that makes a living off of them. When is
Type something
Send

Figure 13B

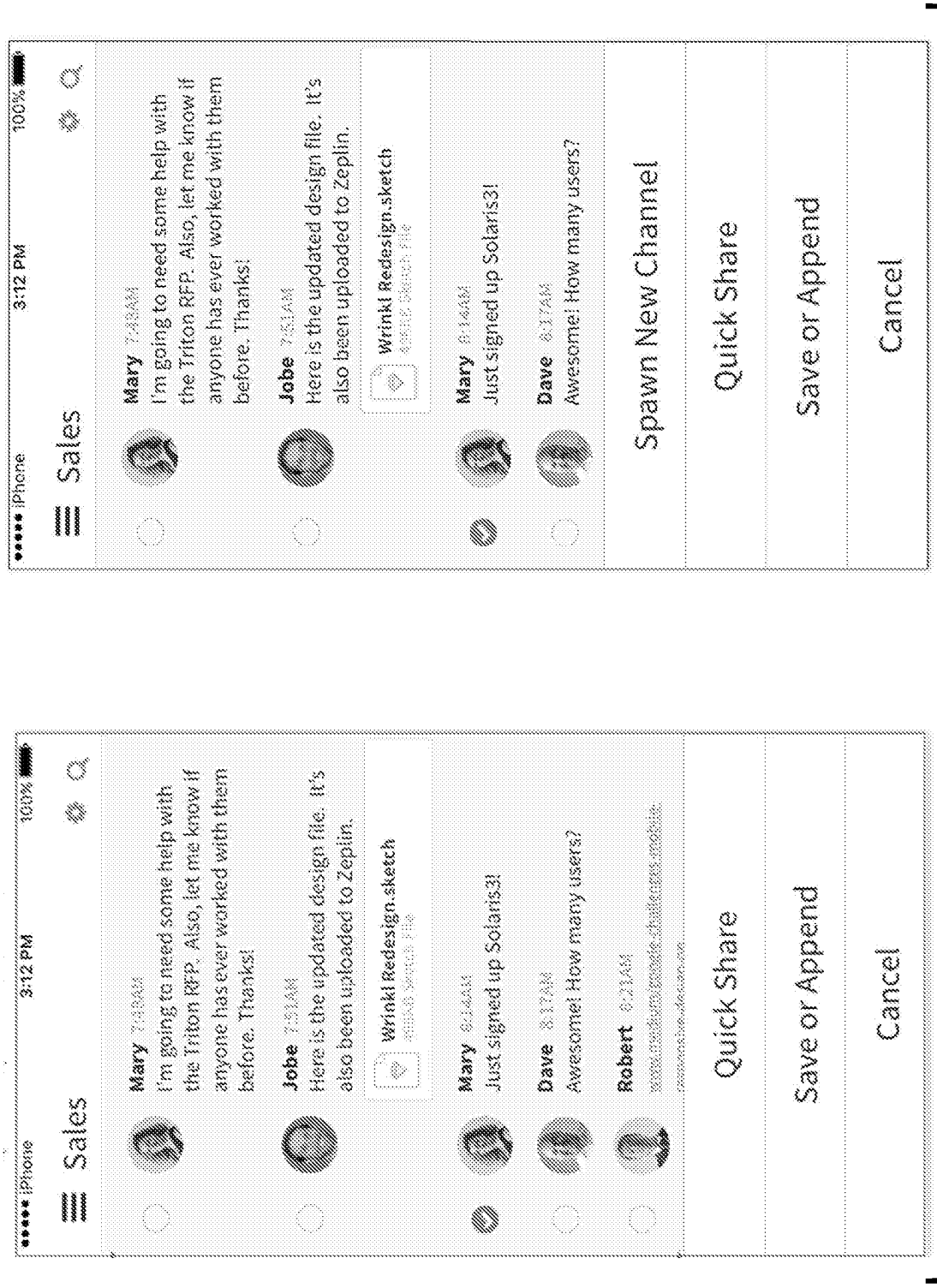
iPhone
3:12 PM
100%
Sales
Mary 7:49AM
I'm going to need some help with the Triton RFP. Also, let me know if anyone has ever worked with them before. Thanks!
Jobe 7:51AM
Here is the updated design file. It's also been uploaded to Zeplin.
Wrinkl Redesign.sketch
Mary 8:14AM
Just signed up Solaris3!
Dave 8:17AM
Awesome! How many users?
Robert 8:21AM
Spawn New Channel
Quick Share
Save or Append
Cancel

Figure 13C

CHANNEL RECIPIENTS
FAVORITES
Alex
Marketing
Sales
UX Design
GROUP MESSAGE CHANNELS
BobD and MarioS
General
HR
Industry News
QA
Solaris3 Project
Stats and Testing
DIRECT MESSAGE CHANNELS
BobD
Quick Share

Figure 13D

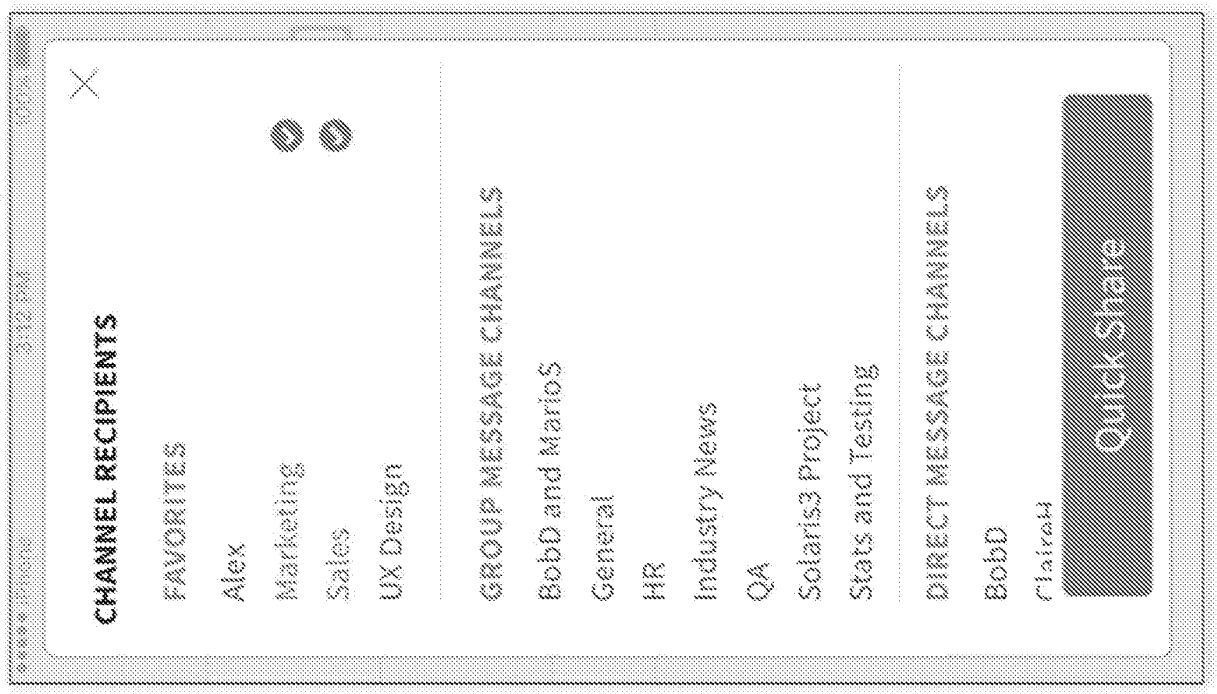
CHANNEL RECIPIENTS
FAVORITES
Alex
Marketing
Sales
UX Design
GROUP MESSAGE CHANNELS
BobD and MarioS
General
HR
Industry News
QA
Solaris3 Project
Stats and Testing
DIRECT MESSAGE CHANNELS
BobD
Quick Share

Figure 13E

iPhone
3:12 PM
100%
Sales
BUNDLE
SAVE AS/APPEND TO: Required
Benefits Bundle (23)
Customer References (17)
Health Project (19)
Health Related (9)
Health Summary (12)
Help Desk (11)
Padding
Scrolling area
Padding
Q W E R T Y U I O P
A S D F G H J K L
Z X C V B N M
123
space
return

Figure 13F

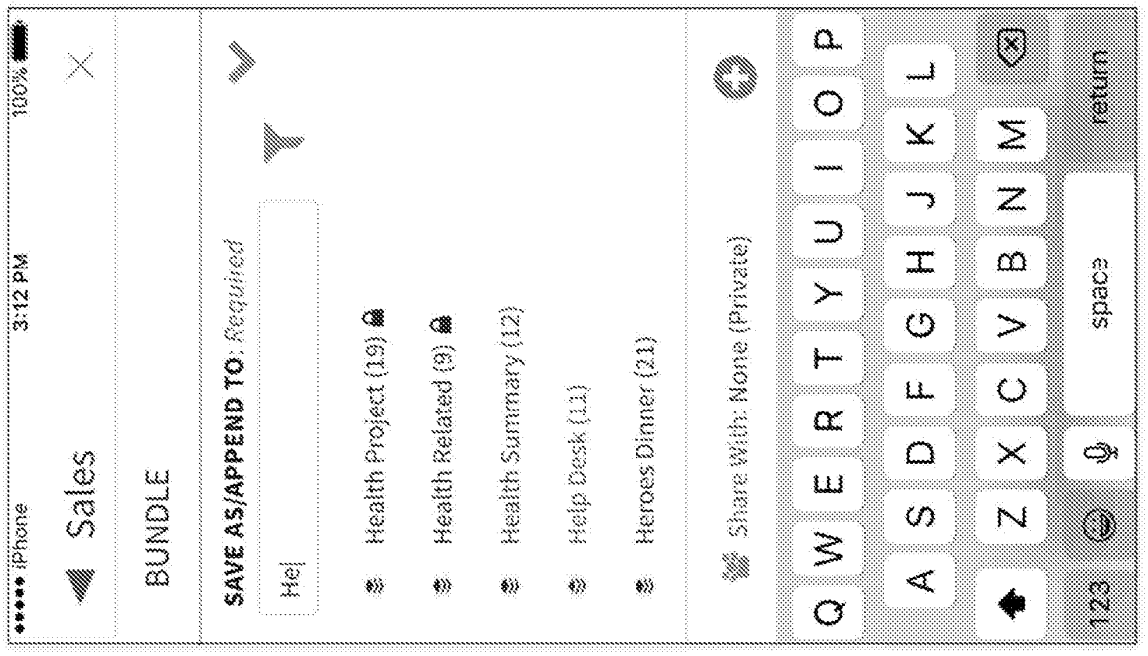
iPhone
3:12 PM
100%
Sales
BUNDLE
SAVE AS/APPEND TO: Required
Hel
Health Project (19)
Health Related (9)
Health Summary (12)
Help Desk (11)
Heroes Dinner (21)
Share With: None (Private)
Q W E R T Y U I O P
A S D F G H J K L
Z X C V B N M
123
space
return

Figure 13G

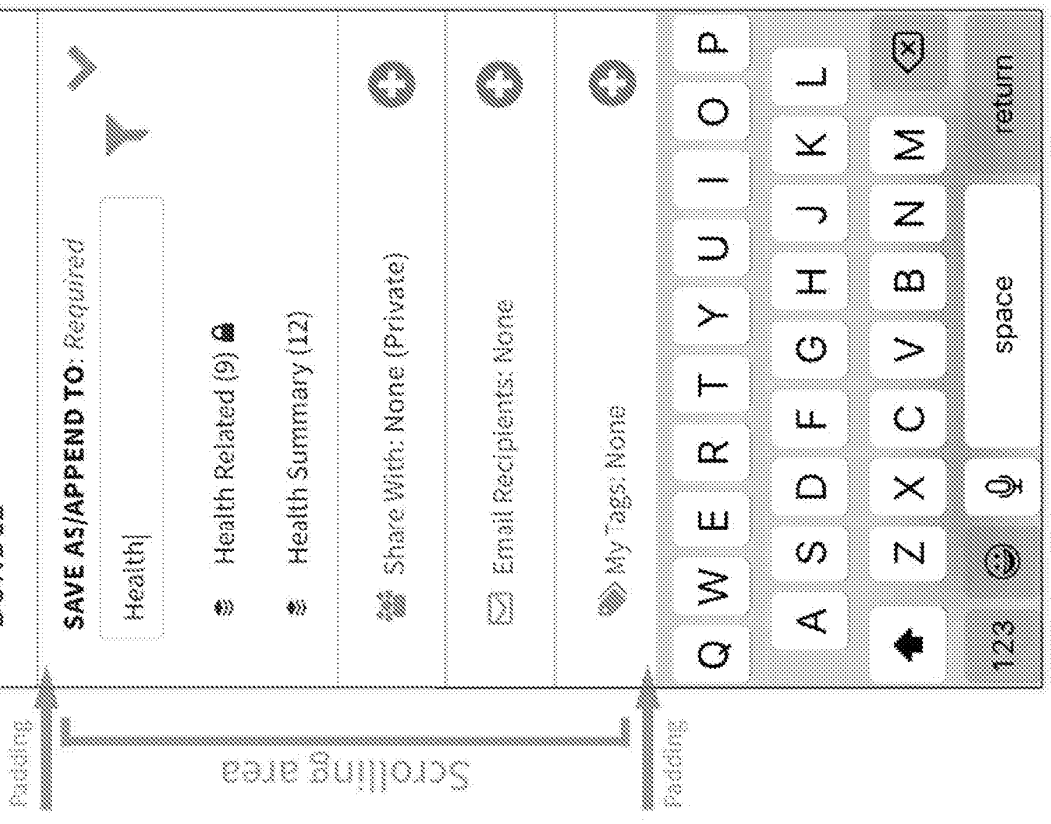
iPhone
3:12 PM
100%
Sales
BUNDLE
SAVE AS/APPEND TO: Required
Health|
Health Related (9)
Health Summary (12)
Share With: None (Private)
Email Recipients: None
My Tags: None
Padding
Scrolling area
Padding
Q W E R T Y U I O P
A S D F G H J K L
Z X C V B N M
123
space
return

Figure 13H

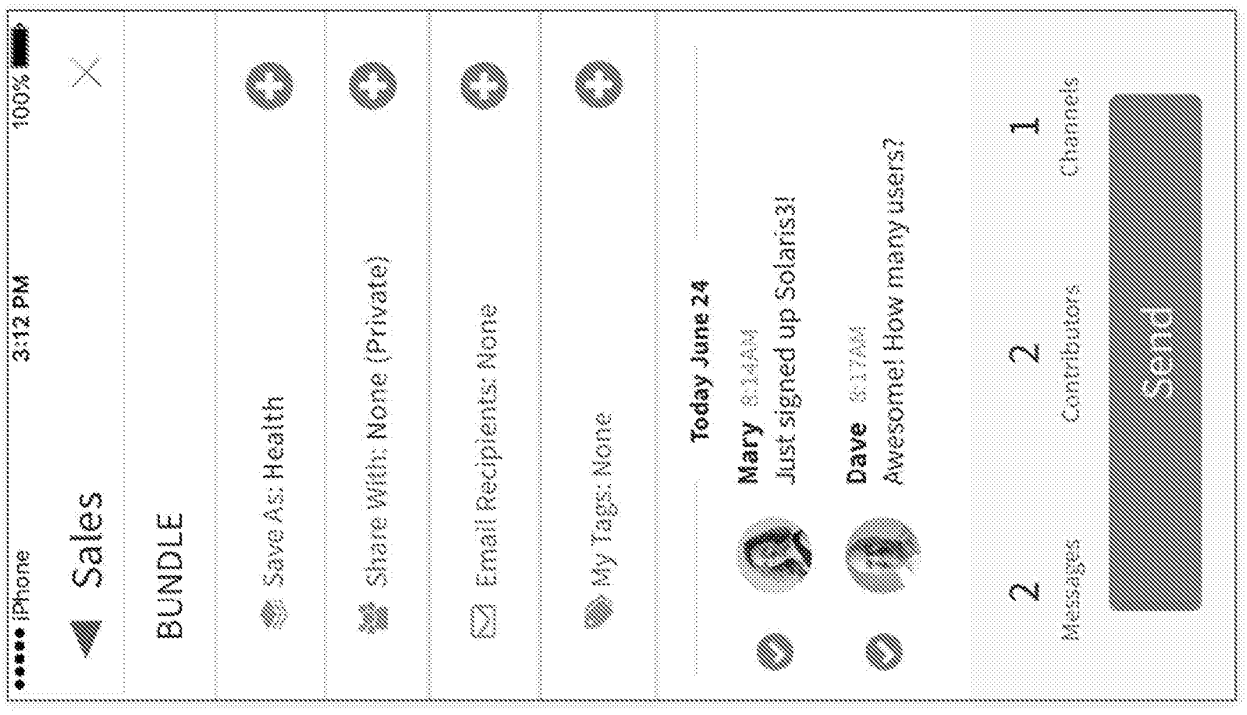
iPhone
3:12 PM
100%
Sales
BUNDLE
Save As: Health
Share With: None (Private)
Email Recipients: None
My Tags: None
Today June 24
Mary 8:14AM
Just signed up Solaris3!
Dave 8:17AM
Awesome! How many users?
2
Messages
2
Contributors
1
Channels
Send

Figure 13I

Figure 14A

Figure 14B

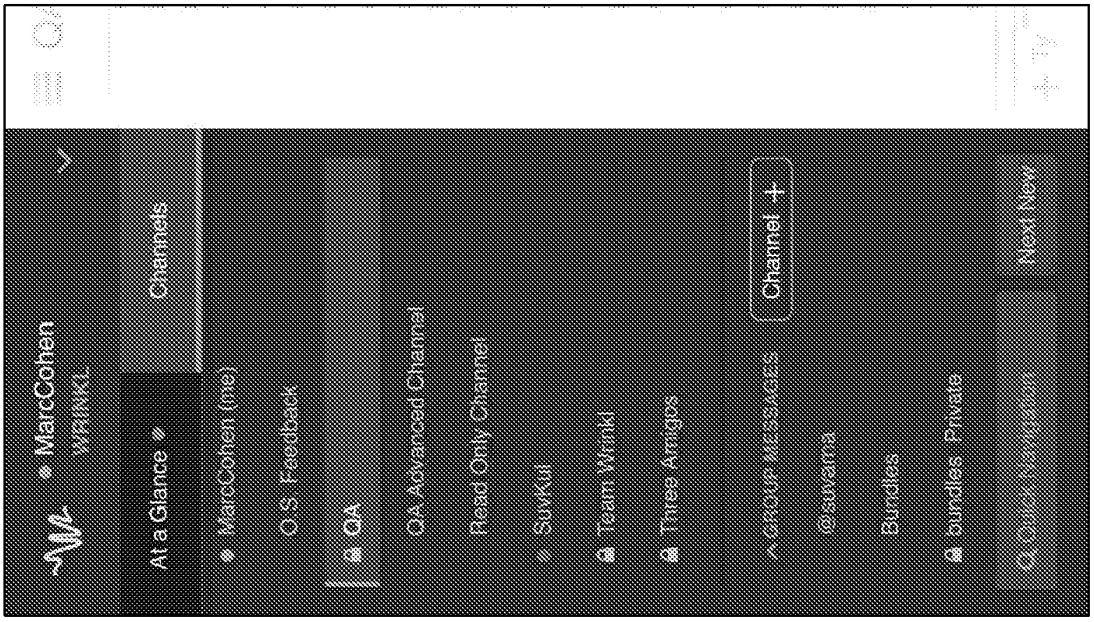
MarcCohen
WRINKL
At a Glance
Channels
MarcCohen (me)
O.S. Feedback
QA
QA Advanced Channel
Read Only Channel
SuvKul
Team Wrinkl
Three Amigos
GROUP MESSAGES
Channel +
@suvarna
Bundles
bundles Private
Next New

Figure 14C

Figure 14D

Figure 14E

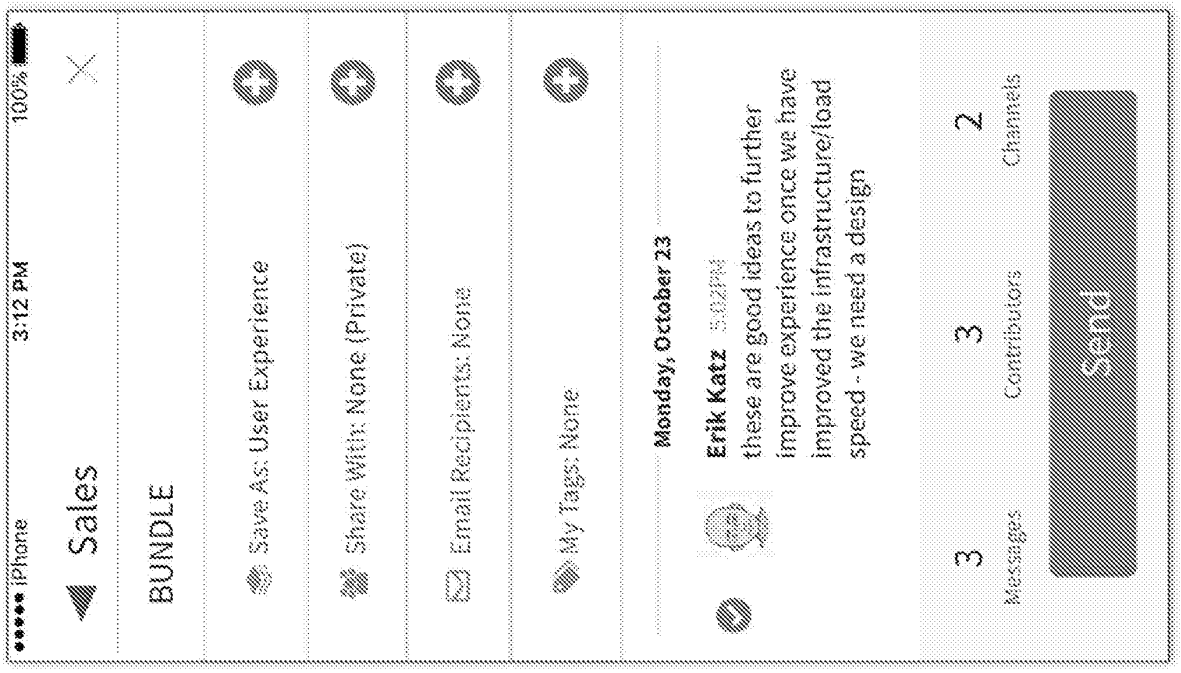
iPhone
3:12 PM
100%
Sales
BUNDLE
Save As: User Experience
Share With: None (Private)
Email Recipients: None
My Tags: None
Monday, October 23
Erik Katz 3:02PM
these are good ideas to further improve experience once we have improved the infrastructure/load speed - we need a design
3
Messages
3
Contributors
2
Channels
Send

Figure 14F

FIGURE 15A

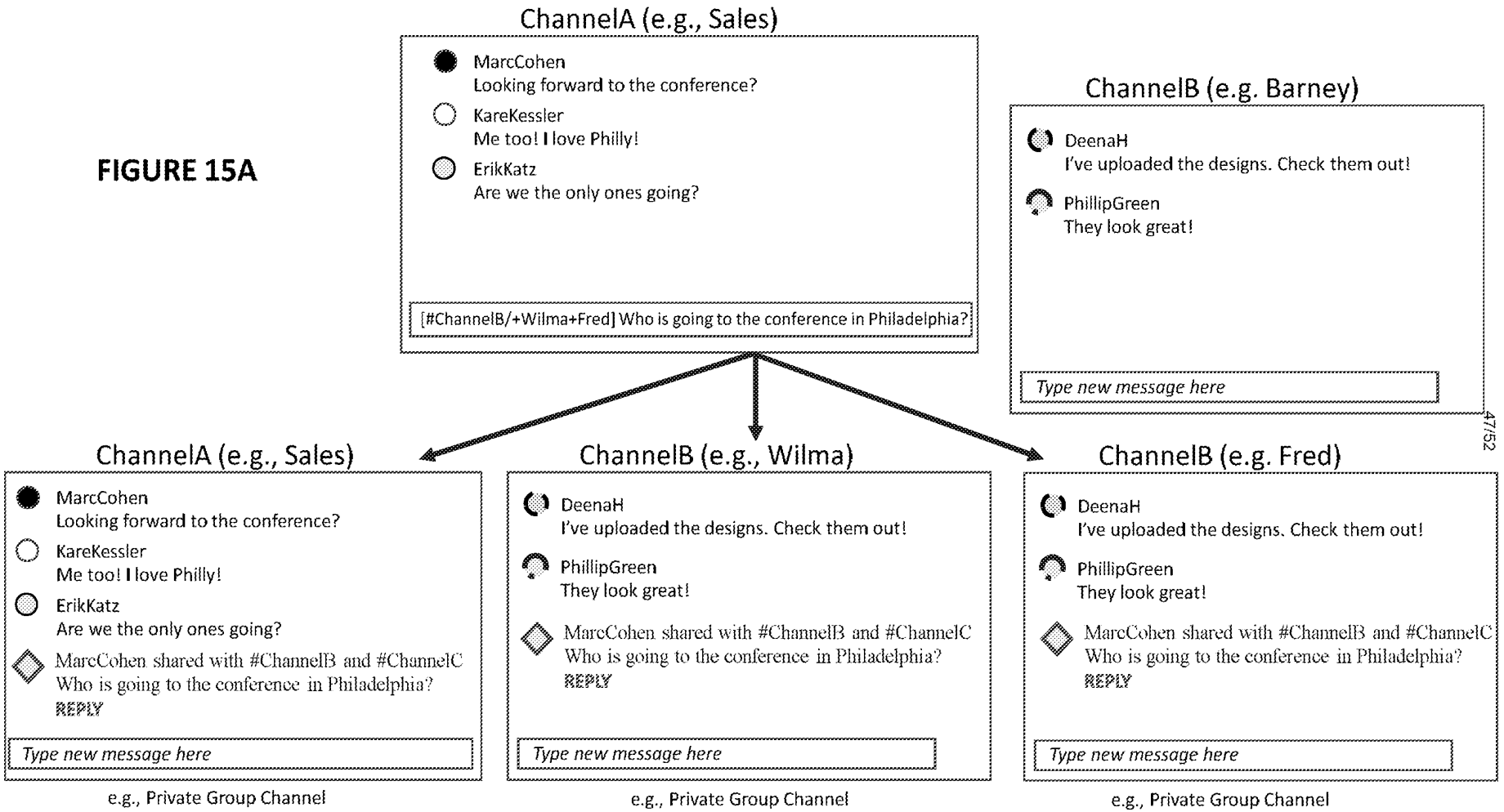

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FIGURE 15B

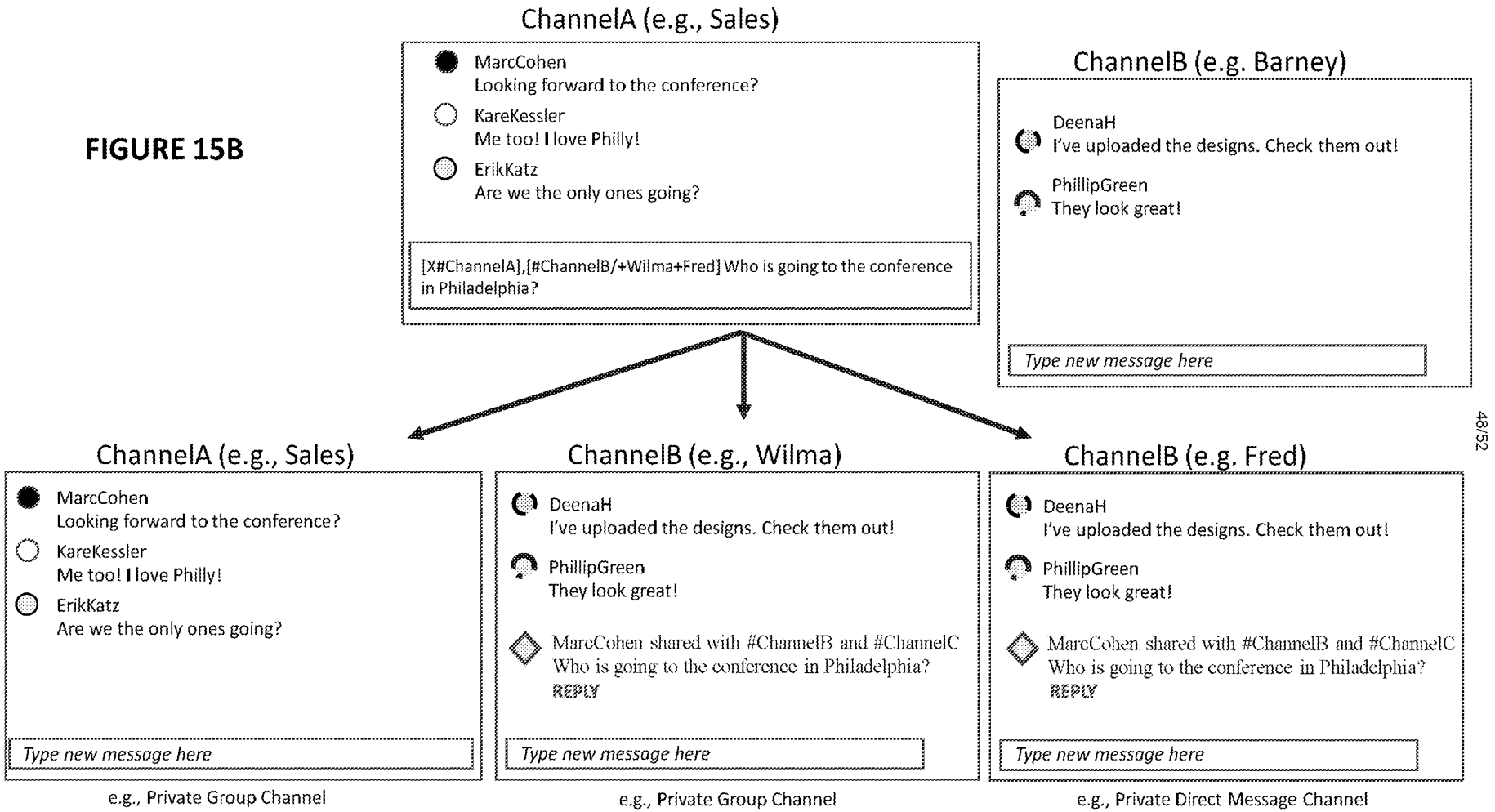

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FIGURE 16A

FIGURE 16B

FIGURE 16C

FIGURE 16D

FIGURE 17A

FIGURE 17B

FIGURE 18A

FIGURE 18B

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TITLE OF THE INVENTION

PARALLEL MESSAGING APPARATUS AND METHOD THEREOF

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] This application is a Continuation-In-Part of U.S. Patent Application 15/609,663, filed May 31, 2017, which 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 Patent Application No. 62/358,719, filed July 6, 2016, and U.S. Provisional Patent Application No. 62/253,229, filed November 10, 2015, the disclosures of all of which are incorporated by reference herein in their entireties.

[0002] This application is also a Continuation-In-Part of U.S. Patent Application 15/858,696 filed on December 29, 2017, which a) is a Continuation-In-Part of U.S. Patent Application 15/431,077 filed February 13, 2017, which claims the benefit of priority under 35 U.S.C. §119(e) to U.S. Provisional Patent Application 62/446,067 filed January 13, 2017, and b) also claims the benefit of priority under 35 U.S.C. §119(e) of U.S. Provisional Patent Application 62/518,905 filed on June 13, 2017, the disclosures of all of which are incorporated by reference herein in their entireties.

[0003] This application claims the benefit under 35 U.S.C. 119(e) of U.S. Provisional Patent Application 62/666,137, filed May 3, 2018, the disclosure of which is incorporated by reference herein in its entirety.

TECHNICAL FIELD

[0004] 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

[0005] 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

[0006] 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:

[0007] FIG. 1 is a block diagram illustrating a system in which implementations of the disclosure may operate.

[0008] FIG. 2 is a pictorial diagram of a system including a plurality of client devices in accordance with aspects of the disclosure.

[0009] FIG. 3 is an example of a landing interface portal of a client device in accordance with aspects of the disclosure.

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[0010] FIGS. 4A-4E are examples illustrating an interactive interface portal in accordance with aspects of the disclosure.

[0011] FIGS. 5A-5D are examples illustrating another interactive interface portal in accordance with aspects of the disclosure.

[0012] FIG. 5E illustrates an exemplary text entry bar that allows for sidebar selection.

[0013] FIG. 6 is an example of a flow diagram illustrating an implementation of a method in accordance with implementations of the disclosure.

[0014] FIG. 7 is an example of a flow diagram illustrating an implementation of a method in accordance with implementations of the disclosure.

[0015] FIG. 8 is an example of a flow diagram illustrating an implementation of a method in accordance with implementations of the disclosure.

[0016] FIG. 9 illustrates a diagrammatic representation of a machine in the exemplary form of a computer system.

[0017] FIGS. 10A-10I are screenshots that illustrate one or more exemplary embodiments of the present invention.

[0018] FIGS. 11A-11D are screenshots that illustrate one or more exemplary embodiments of the present invention.

[0019] FIGS. 12A-12E are screenshots that illustrate one or more exemplary embodiments of the present invention.

[0020] FIGS. 13A – 13I are screenshots that illustrate one or more exemplary embodiments of the present invention.

[0021] FIGS. 14A – 14F are screenshots that illustrate one or more exemplary embodiments of the present invention.

[0022] FIG. 15A is a screenshot that illustrates one or more exemplary embodiments of the present invention.

[0023] FIG. 15B is a screenshot that illustrates one or more exemplary embodiments of the present invention.

[0024] FIGS. 16A – 16D are screenshots that illustrate one or more exemplary embodiments of the present invention.

[0025] FIGS. 17A – 17B are screenshots that illustrate one or more exemplary embodiments of the present invention.

[0026] FIGS. 18A – 18B are screenshots that illustrate one or more exemplary embodiments of the present invention.

SUMMARY OF THE INVENTION

[0027] An apparatus is for providing display of exchanged messages, wherein the apparatus comprises a memory for storing the messages; and at least one processor for providing display of messages exchanged between a plurality of participants, the messages are exchanged within channels, wherein each of said participants exchanges messages with others of the participants in one or more channels in which message exchange between the plurality of participants is authorized; and any of the participants are prevented from exchanging messages in one or more channels when message exchange between the plurality of participants is not authorized; and allowing one of the participants sending one of the messages in one of the channels to send the one of the messages in parallel to another one of the channels.

DETAILED DESCRIPTION

[0028] Implementations of the disclosure provide techniques for integrating actionable objects into an on-line chat communications platform. This may be advantageous in improving

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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.

[0029] 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.

[0030] In accordance with the present disclosure a system is provided that can 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

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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.

[0031] Several definitions may be helpful:

[0032] User – an entity (person, participant, organization, computer, algorithm, etc.) that plays a role in having a message displayed in a channel (e.g. communications channel) The user may not necessarily be what directly caused the message to be displayed, but may have a more indirect influence on causing the message to be displayed. The user, for example, may not necessarily be a member of a network or a channel in which messages are posted on the user's behalf. Thus, while a user may play some role in a message being posted to a channel, the user may not have access to that channel, i.e. the user may not be able to see messages in a channel (the user's messages or other channel participant's messages).

[0033] Select/Selectable – Some form of [automated or physical] interaction with a display. Examples include: click, hover, movement, biometrics, touch sensitivity, voice, brainwaves (e.g. brain/machine interface), etc.

[0034] Channel – a physical or virtual computer environment in which posting or exchange of messages is permitted (and may occur) between one or more participants that are authorized to exchange messages; and prevention of exchange of messages occurs between one or more participants that are not authorized to exchange messages. Messages within a channel may be displayed in a continuous stream. The messages may be displayed in the stream in chronological order. In one exemplary embodiment, when a new message is received in a

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channel, the message is displayed at the bottom of the stream of previously displayed messages, and the previously displayed messages are automatically scrolled upwards to make room for display of the new message. In addition, the oldest message (or portion thereof) that was previously displayed is scrolled "off" the display. In one embodiment this means that the display of actual text of the new message occurs below the display of actual text of previously displayed messages. There may be one or more channels in use with respectively different "permissions" for access thereto for respectively different users. In one embodiment, only one channel (or portion thereof) is displayed at a time. In another embodiment, multiple channels (or portions thereof) are displayed at a time.

[0035] In one or more exemplary embodiments of the present invention, various possible attributes of a channel may be relevant:

- Channels are generally named and are formed to serve the purpose of facilitating and encapsulate conversation [often] associated with a particular topic, group or location or goal. Even a channel named "General" is instructive as to the channels purpose.
- Channels may have specific attributes associated with them, e.g., a channel member may be sent notifications when certain conditions are met, such as, when that user is specifically mentioned in a message post, or if a particular key word is posted.
- In some systems channels can be configured to appear more or less prominently (i.e., "Favorited" or hidden. In some systems, channels can be "muted" (no notifications sent).
- Channels can be public (anyone can join) or private (by invitation or other means of limiting access)
- In some case, channels can be configured by one or more administrators, which can result in the allowance or limitation of certain functionality and user permissions.

• In some systems, channel names or other identifying attributes are altered to inform or to encourage a user action. A bold channel name for example may serve to indicate that new message activity in the channel has occurred. A red bubble with a number next to a channel name may serve to indicate that a certain number of messages of particular relevance to the particular user have been posted.

• Channels can be implemented in such a way as to contain or restrict conversation to a select group of users. The restriction could be in terms of a finite period of time (e.g., Q1 sales goals channel), group (e.g., Sales team), location (e.g., Philadelphia office), or topic (Suggestions channel)

• Channels can be implemented in such a way as to encourage discourse about a certain topic (Diversity channel)

• In some implementations Channels may be configured to hide the identity of participants (anonymous channel) or to reveal and associate comments with users.

• In some implementations Channels are configured in such a way so that all posts are visible to all of the channel members.

[0036] The above attributes are merely exemplary and are provided for illustrative purposes only.

[0037] Message – a discreet quantity of data that is sent between one or more users. The data may be of any type, including, audio, video, text, code, etc. A message may include attachments to additional data or resources such as files and/or may include links to, for example, one or more URLs (Uniform Resource Locator) or some form of executable code (e.g. IoT control of a device such as a garage door opener).

[0038] 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.

[0039] 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.

[0040] 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.

[0041] 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

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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.

[0042] 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.

I. EXAMPLE SYSTEMS

[0043] **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.

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[0044] 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).

[0045] 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**.

[0046] 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**.

[0047] 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.

[0048] 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

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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.

[0049] 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.

[0050] 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.

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[0051] 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.

[0052] 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**.

[0053] 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**.

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[0054] **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**.

[0055] 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**.

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[0056] 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.

[0057] 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.

II. EXAMPLE INTERACTIVE INTERFACES

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[0058] 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.

[0059] 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.,

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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.

[0060] 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.

[0061] 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.

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[0062] 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**.

[0063] 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.

[0064] 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

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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.

[0065] 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**

[0066] 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**,

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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.

[0067] 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.

III. CHAT WITH ACTIONABLE OBJECTS

[0068] **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

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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.

[0069] 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.

[0070] 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

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of messaging activity. In some implementations, the actionable object **440** can be selected using various mechanisms, such as such as keyboard shortcuts.

[0071] 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.

[0072] 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**.

[0073] 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

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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.

[0074] 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.

A. QUESTION OBJECTS

[0075] 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

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particular recipients, a message field **414** as well as other relevant fields regarding the polling question.

[0076] 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**.

[0077] 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.

[0078] 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

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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.

[0079] 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.

[0080] 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

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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.

[0081] 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.

[0082] 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.,

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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.

B. TASK OBJECTS

[0083] 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.

[0084] 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

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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.

[0085] 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.

[0086] 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.

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[0087] 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.

C. IDEA OBJECTS

[0088] 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.

[0089] 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

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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**.

[0090] 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.

[0091] 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

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(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.

IV. OTHER EXAMPLE INTERACTIVE INTERFACES

[0092] **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**.

A. SIDEBAR SELECTION

[0093] 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

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having to engage the entire group, while retaining context and relativity to the broader conversation for the participants of the 1 to 1 conversation.

[0094] 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**.

[0095] 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.

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[0096] 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.

B. TARGETED INCLUSION WITH RESPONSE RULES

[0097] 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

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the discussion in context. Thus, the channel message stream retains meaning and immediate lasting context that is not available in typical chat technology.

[0098] 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.

[0099] 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.

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[00100] 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.

C. BUNDLE COMMUNICATIONS

[00101] 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.

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[00102] 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**.

D. TOKEN ITEMS

[00103] 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).

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[00104] 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.

[00105] 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.

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[00106] 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.

[00107] 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.

[00108] 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

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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.

[00109] 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.

V. EXAMPLE FLOW DIAGRAMS

[00110] 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.

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[00111] **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.

[00112] 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.

[00113] **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

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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.

[00114] 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.

[00115] **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.

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[00116] 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.

VI. EXAMPLE MACHINE

[00117] **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.

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[00118] 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**.

[00119] 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**.

[00120] 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.

[00121] 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

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(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).

[00122] 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**.

[00123] 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.

SIDEBARS AND ASYMMETRICAL GROUP MESSAGING VIEWS

[00124] This explanation is further to the explanation above with regard to "SIDEBAR SELECTION" and Fig. 5A.

[00125] 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).

[00126] 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

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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

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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).

[00127] 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.

[00128] 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.

[00129] A further exemplary embodiment of the present invention is illustrated by the screenshots that appear in Fig. 11A through Fig. 11D. These screenshots illustrate an exemplary

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embodiment of the present invention in which a participant to message exchange is sending a message to one channel and is sending the message in parallel to another channel.

[00130] Screenshot 1101 illustrates the display of exchanged messages prior to a participant of the message exchange sending a message in parallel to multiple channels. Exchanged messages may be stored, for example, in memory (i.e. one or more memory devices). Screenshot 1101 illustrates that the display is displaying (via a processor) a plurality of messages that are exchanged in a channel. At the bottom of the screen, a text entry bar appears. The text entry bar allows a participant to enter a message that is subsequently transmitted to multiple channels in parallel. In particular, text is being entered using a feature called hash mention. Furthermore, an exchange of text messages in channel A is illustrated. As shown, there are at least 3 participants that are exchanging messages in channel A. Participant MarcCohen will now post a message that will be posted in parallel to more than one channel. In the exemplary embodiment shown, Marc Cohen is one of the participants that is sending one of the messages in one of the channels in parallel to another one of the channels. Furthermore, in the exemplary embodiment shown, because channel A is currently active to MarcCohen, when MarcCohen sends a message, the message is automatically sent in channel A. However, in the illustrated exemplary embodiment, MarcCohen wishes that the message he is sending in channel A will also be sent in parallel to channel B and channel C. Thus, MarcCohen designates, for example, in the text entry bar, that transmission of the message to channel B and channel C is also desired. The sending of the message to multiple channels in parallel is accomplished with the aforementioned hash mention feature. Thus, in this example, before MarcCohen types in the text entry bar the message that he wants to send to various channels, MarcCohen indicates to which channels (in addition to channel A) the messages is to be sent.

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[00131] In this manner, when messages are exchanged between a plurality of participants, the messages are exchanged within channels, and the messages are displayed. In particular, each of the participants exchanges messages with others of the participants in one or more channels in which message exchange between the plurality of participants is authorized. Any of the participants is prevented from exchanging messages in one or more channels when (or alternatively in which) message exchange between the plurality of participants is not authorized. One of the participants sending one of the messages in one of the channels is allowed to send the one of the messages in parallel to another one of the channels. Note that when sent in "parallel," this includes situations where the messages are sent at the same time, and where the messages are not sent at the same time.

[00132] In a further exemplary embodiment, a message posted in channel A will automatically include – without further specific direction - that the message be displayed in channel A. In yet another exemplary embodiment, a hash mentioned post in Channel A is not included in channel A, or the hash mentioned post in Channel A is also posted in Channel A, but is only posted and visible in Channel A to the poster of the message .

[00133] Returning to Fig. 11A, as shown, MarcCohen types the name of the channel and precedes the name of the channel with a character that indicates that the channels being designated as a recipient of the message. Thus, in the example shown, MarcCohen has typed "#ChannelB #ChannelC". In this manner, MarcCohen has indicated that channel B and channel C are also to receive the message.

[00134] Screenshot 1102 shows channel A after the previously described message has been sent. Screenshot 1103 illustrates channel B after the previously described message has been

sent. Screenshot 1104 illustrates channel C after the previously described message has been sent. Thus, as shown, by designating channel B and channel C in the text entry bar of screenshot 1101, the messages is sent not only to channel A, but also to channel B and channel C.

[00135] Thus, in accordance with an exemplary embodiment of the present invention, a memory may be included for storing messages. Furthermore, a processor is included for providing display of messages exchanged between a plurality of participants, and allowing one of the participants that is sending one of the messages in one of the channels to send the one of the messages in parallel to another one of the channels. Furthermore, what has been described is an environment in which each of the participants exchanges messages with others of the participants in one or more channels in which message exchange between the plurality of participants is authorized. Furthermore, each of the participants is prevented from exchanging messages in one or more channels in which message exchange between the plurality of participants is not authorized. Thus, for example, if a participant to messaging in one channel is not authorized to participate in messaging in another channel, then that participant will not be authorized to communicate in that other channel.

[00136] Fig. 11B illustrates screenshots that relate to a further exemplary embodiment of the present invention. In this exemplary embodiment, a participant to message exchange has sent a message to more than one channel; however, the message is excluded from display in the channel in which the message was posted.

[00137] Again, screenshot 1101 illustrates three participants that are participating in messaging within exemplary channel A. Participant MarcCohen has entered a message in the text entry bar. Although MarcCohen is currently viewing messages in channel A, the message that he has entered into the text entry bar will not be visible in channel A after that message is sent.

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However, that message will be visible in channel B and channel C. Screenshot 1105 shows channel A after the message has been sent by MarcCohen. As illustrated in screenshot 1105, the message that was just sent is not being displayed. However, as shown in screenshot 1106 which is a screenshot of channel B, the message that was just sent from channel A now appears in channel B. Furthermore, as shown in screenshot 1107, the message that was sent in channel A now appears in channel C.

[00138] Fig. 11C illustrates screenshots of an exemplary embodiment of the present invention in which, after a message is received in a channel, a reply to that message is permitted. Again, screenshot 1101 illustrates that participant MarcCohen has entered a message in the text entry bar. That message is then displayed in channel A as shown by screenshot 1108, channel B as shown by screenshot 1109, and channel C as shown by screenshot 1110. In particular, in each of the screenshots 1108, 1109, and 1110, the message that was previously sent appears with the word REPLY underneath the message to indicate that a reply to the message is permitted.

[00139] In a further exemplary embodiment, the word REPLY may be selectable. For example, interacting (clicking) on the word REPLY initiates a REPLY process.

[00140] Fig. 11D illustrates further screenshots in accordance with a further exemplary embodiment of the present invention in which the channel from which a message has been sent is excluded from displaying that message while other channels are permitted to display that message. Again, screenshot 1101 illustrates that MarcCohen has entered the message into the text entry bar. As shown, channel B and channel C are to receive the message. Furthermore, in this exemplary embodiment, channel A is not to receive the message. Thus, as shown in screenshot 1111, the message that was just sent as shown in screenshot 1101 does not appear in channel A. However, the message that was sent in channel A does appear in channel B and

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channel C as shown by screenshots 1112 and 1113 respectively. Furthermore, the message that is being displayed in channel B and channel C can be replied to. It is understood that the message that was received in channel B and channel C can be replied to because in each of channel B and channel C the word REPLY appears below the message that was received.

[00141] Thus, in this exemplary embodiment, the message is removed/deleted from originating [channel A] by inserting an "X" character before the "#"[channelname]. Other instructions can be included to specify or exclude the visibility of a post within a channel or channels for example [#ChannelB/+Fred and +Wilma] could instruct the system to include just two specified users in channel B. In some exemplary embodiments a cross channel post may, by default, exclude all but the cross channel message poster while in other embodiments, the cross channel post may, by default, be visible to everyone in the channel. Further [default] variation could be applied, for example, to include or exclude a subset of users within specified channels.

[00142] Fig. 12A – Fig. 12E illustrate a further exemplary embodiment of the present invention in which a message can be quickly and easily moved from one channel to another. For example, a message that is in channel A can be moved into channel B. Furthermore, a message that is in channel B can be moved into channel A. In this example, a message is deleted in the Sales channel; copied and posted into a different channel. A message can be quickly and easily moved from channel A to channel B (or to Channel B and Channel (n) i.e. more than one channel).

[00143] Fig. 12A is a screenshot that illustrates a plurality of messages that have been exchanged in channel SALES. Assume that a participant of the messaging shown in Fig. 12A wishes to move the message from Becky ("Just signed up Solaris3!"). One way to move this message is by using a finger to make a left swipe of that message. As shown in the screenshot

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illustrated in Fig. 12B, as a result of that swipe, the menu option MOVE appears. After that menu option is selected, processing can proceed to the screenshot shown in Fig 12C.

[00144] In Fig. 12C, the destination of the message selected Fig. 12B is selected. In this example, the message can be moved to one or more other channels. Furthermore, the message can be removed from the current channel or alternatively simply copied to an additional channel or channels.

[00145] Fig. 12D illustrates a screenshot of an exemplary embodiment of the present invention in which the fact that a message has been moved is indicated in the channel. This feature is optional.

[00146] Fig. 12E is a screenshot of a different channel than what was shown in the previous figures, namely channel EXECUTIVE TEAM. As shown in Fig. 12E, the message has been moved and a timestamp is updated to reflect date and time the message was moved. The moved message could retain original metadata, update, add to or replace it. In this example the message Becky's 8:14AM post was deleted from the Sales channel and moved into the Executive Team channel. The time that the message was originally posted in the Sales channel was replaced with the time the message was moved in the Executive Team channel.

[00147] Fig. 13A through FIG. 13I are screenshots that illustrate a further exemplary embodiment of the present invention. In particular, the screenshots illustrate the ability to bundle together multiple messages. In one exemplary embodiment, the multiple messages are bundled together from across respectively different channels.

[00148] Fig. 13A is a screenshot that illustrates a plurality of participants that are exchanging messages in channel SALES.

[00149] Fig. 13B illustrates how a plurality of messages may be bundled together. Fig. 13B illustrates one exemplary embodiment. It is understood to one of ordinary skill in the art that there may be other methods of bundling together multiple messages.

[00150] In Fig. 13B, the message has been selected by using the left swipe. The message that was selected is the message from Mary ("Just signed up Solaris3!"). By making a left swipe, the menu button BUNDLE appears. By selecting the BUNDLE button, the message from Mary is selected as one of the messages that the bundled together with other messages. While a swipe was described as a method of selecting the message, the message can be selected in other ways. For example, a long press may be used, a verbal command may be used, or another method of selection may be used. In any event, by selecting the BUNDLE option, the bundled creation process is initiated. Note that a "bundle" may include one message. In an exemplary embodiment, a bundle contains zero messages (i.e. the bundle is analogous to an empty file folder).

[00151] Fig. 13C illustrates an exemplary method of message selection so that a plurality of messages can be bundled together. In this exemplary embodiment, circle checkboxes are presented and the user taps an empty circle to indicate selection of a message to be included in the bundle. Alternatively, a user can tap a circle again to deselect a previously selected message. In other exemplary embodiments, the message itself could be tapped/selected and the background color could change. Additionally, a method could be provided to select a range of consecutive messages, or other forms of selection may be permitted. For example, a particular word in a message is tapped resulting in all the messages in the channel containing that word being selected (in this example, the selected messages would not necessarily be consecutive)].

[00152] Fig. 13C also illustrates an alternative design that provides an additional option of allowing a user to spawn a new channel directly. The user identifies the messages from the one or more channels and then selects SPAWN NEW CHANNEL. In this example, a new channel would be created that initially contains the selected messages. Thus, a method of message selection is provided. In this example, a circle check is presented and the user taps an empty circle to indicate selection of a message to be included in the Bundle, or can tap again to deselect a previously selected message. In other exemplary embodiments, the message itself could be tapped/selected and he background color could change. Additionally, a method could be provided to select a range of messages. In one example, the range may relate to consecutive messages.

[00153] Fig. 13C illustrates an additional option of allowing a user to spawn a new channel directly. The user identifies the messages from the one or more channels and selects "Spawn New Channel." If selected, a dialog is presented asking the user to Name the New Channel. In this example, a new channel is created that initially contains the selected messages.

[00154] In a further example, when spawning a new channel from a bundle, the selected messages could remain in the channel or channels from which they were selected or alternatively, the selected messages could be removed from the channels from which they were selected and posted exclusively to the newly created channel.

[00155] Fig. 13D is a screenshot that illustrates a screen that allows a user to select which channels are to receive the bundled messages. This screen may be accessed, for example, by selecting the QUICK SHARE menu option that appears in Fig. 13C. Then, as shown in Fig. 13D, one or more channels can be selected to receive bundled messages. In an exemplary

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embodiment, the QUICK SHARE button may be inactive unless one or more channels are selected.

[00156] As illustrated in Fig. 13E, bundle messages can be shared in parallel across channels. Bundles messages can optionally in place of, or in addition, be sent to additional recipients, for example via email, SMS, text, etc.

[00157] In Fig. 13F, after a plurality of messages have been selected, and those messages have been bundled together, the bundle of messages can then be saved. In the example shown in Fig. 13F, the bundle of messages can be saved as follows. First, the bundle of messages can be saved as a new bundle with a unique name. Second, and/or as an alternative, the bundle of messages can be appended to a previously saved bundle of messages.

[00158] Fig. 13G further illustrates a screenshot of the software that allows a bundle of messages to be newly named or to be appended to a previously named bundle of messages. In Fig. 13G, text entry of the name of the bundle of messages currently being saved occurs. As the name of a bundle is entered using text, matches to that name appear. In this manner, it is possible to see the current names of existing bundles and to decide if a plurality of messages that have just been bundled should be appended to a previously created bundle of messages. Alternatively, if the name of the bundle that is being entered using text does not match any previously named bundle of messages, then the bundle of messages is assumed to be a new bundle of messages and the new bundle is created with the new name that has just been entered.

[00159] Fig. 13H is a further screenshot that illustrates creating a bundle. If the user presses return (and if the text entered is not an exact match to an existing bundle name) then this is treated as a Save As, meaning that this is treated as the formation of a new bundle of messages

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with a new name. Thus, as shown, a user may enter text. If the user enters "health" for example, the results will include all the bundle names that include the character string "health".

[00160] A user may wish to name a bundle something that is a subset of an existing bundle name. As soon as the user begins typing, the user will see a list of all existing bundles that incorporate the typed character sequence, however it is possible that the user wishes to name a New Bundle something that happens to be a subset of an existing named bundle. This example shows that the user has the option of pressing "enter" in which case a new bundled named "health" is created where the user could On any of the existing bundles in the list that contain the text "health" in which case the selected bundle will be appended.

[00161] Fig. 13I is a screenshot that illustrates an exemplary Save As operation, namely the case where a new bundle of messages created in newly named. In order to complete the save, the"SEND" button, for example, may be selected.

[00162] Figs. 14A through 14F are screenshots that illustrate the creation of a bundle across more than one channel.

[00163] As shown in Fig. 14A, a user has initiated the Create a Bundle process from within the BUGS channel.

[00164] As shown in the screenshot that appears in Fig. 14B, the user has selected a message (in this case from Brian Hurt) that the user would like included in the bundle. Next, the user taps on the "hamburger" icon (in this example) to return to the navigation pane in order to select messages from a further channel. This operation is merely exemplary as many other methods of switching channels can be implemented.

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[00165] Fig. 14C is a screenshot that illustrates a user switching to a 2nd channel. The user can repeat this process in order to select multiple additional channels from which messages are added to a bundle. Thus, in Fig. 14C, the user has elected to switch to the QA channel to identify and select additional messages to add to the bundle.

[00166] Fig. 14D is a further screenshot that illustrates in one exemplary embodiment how a user might review messages for inclusion in a bundle.

[00167] Fig. 14E is a screenshot that shows that a user has selected messages from a 2nd channel to add to a bundle.

[00168] Fig. 14F is a screenshot that illustrates saving of a bundle. In this exemplary embodiment, the bundle is comprised of messages from multiple discrete channels.

[00169] Fig. 15A is a screen shot that illustrates a further exemplary embodiment of the present invention. User 1 (MarcCohen) posts a message which is sent and posted in parallel to more than one channel, but excludes the channel in which the message was posted. Replies are permitted. This exemplary embodiment shows the message is posted in the originating channel and is also posted to but excludes at least another one of a plurality of users within said another channel.

[00170] Fig. 15B is a screen shot that illustrates a further exemplary embodiment of the present invention. User 1 (MarcCohen) posts a message which is sent and posted in parallel to more than one channel, but excludes the channel in which the message was posted. This exemplary embodiment shows the message is removed/deleted from originating [ChannelA] and posted to an excluded at least another one of a plurality of users within said another channel [#ChannelB/+Fred and +Wilma].

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[00171] Figs 16A – 16D illustrate further exemplary embodiments of the present invention. Note that in each of the screens shown in Figs. 16A – 16D, the user is "in", i.e. viewing and/or posting messages in an isolated group. In these exemplary embodiments, the channel is named "Three Amigos."

[00172] Note in these exemplary embodiments is it possible that the text entry bar is independent of any specific channel until the message is posted – i.e. a user could type a message, switch channels and then post, in which case the channel that the user is in is not known/established until the message is "sent."

[00173] Fig. 16A thus shows an exemplary screenshot. Subsequently, in the example shown in Fig. 16B, typing "#" reveals a menu that displays channel names. The menu can be, for example, a single inclusive channel "pick-list" or can be, for example, a refined list based on the user input. In the example shown, as the user continues to type, the list is refined based on the user's input. At any time, the user may select or enter one [or more] channel names (e.g., group channel or direct message channel names). This step can be repeated if/as necessary or desired.

[00174] In the example shown in Fig. 16C, a "reference object" happens to be included and shown. In this example, the hash-mentioned message being crafted will be linked to and will reference an earlier message that appeared in this channel.

[00175] In the example shown in Fig. 16D, the screen shows the posted hash mention message along with the reference object. The posted messages may or may not include information that conveys supplemental data such as the names of other channels that the message has been shared with (sent to). The supplemental data can be different based upon who is viewing the message and in which channel it is being reviewed (i.e., the circumstances under

which the message is being seen). For example, a message sent from channel 1 to channel 2 may, for some subscribers, display the name of the "from" channel, but in other cases hide the name of channel [1] and instead merely display "private channel" (or not include the from channel name at all).

[00176] Figs.17A and 17B illustrate further exemplary embodiments of the present invention.

[00177] Referring to Fig. 17A, in one exemplary embodiment of the present invention, replies to a hash mention from users in another channel can be presented first (and only) to the creator of the original message post in the original channel from which the hash mention was sent. In this example the reply is kept private unless and until the original sender of the original message has decided to share the reply (all or in part) with others (or or some) in the original channel.

[00178] Furthermore, in one exemplary embodiment of the present invention, replies to a hash mention from a user from another channel are shown to all without further intervention on the part of the original sender (for example, automatically shared).

[00179] In the example shown in Fig. 17A, in the penultimate message, an indication is provided that the message was sent from the present channel. The indication may be in the form of the color of the hashtag sign, for example. In the last message, an indication is provided that the message was sent from a channel other than the present channel. Again, the indication may be in the form of the color of the hashtag sign. Referring again to the last message, this response message remains "private" and visible only to the creator of the message that spawned this

response message unless/or until shared (in whole or in part) with at least one other of the plurality of users in this [and/or other] channel/s.

[00180] In the example shown in Fig. 17B, in one exemplary embodiment of the present invention, replies to a hash mention from users in another channel can be aggregated and presented together to the creator of the original message post in the original channel from which the hash mention was sent. In this example the reply/replies is/are kept private unless and until the original sender of the original message has decided to share a reply (all or in part) with others (or or some) in the original channel. The views depicted in Figs. 17A and 17B can be combined or implemented separately or exclusively. Furthermore, in one exemplary embodiment of the present invention, the sender or any person with which the hash mention reply has been shared, can further reply, which reply can be shared with all or a subset of others who have received the initial hash message post and/or a subsequent reply.

[00181] In further exemplary embodiments, the aggregated messages and replies may be visible to others of the plurality of users in others of the plurality of channels.

[00182] Fig. 18A and 18B illustrate a further exemplary embodiment of the present invention. In the exemplary embodiment shown in these figures, a special character (e.g., "#") is used to indicate to the system that a cross channel post may be desired. In response to "seeing" the special character, the system makes available a list of channels [that can be further refined as the user continues typing, which serves to hone the list of matches. Sometimes, a "#" is just a "#" so while possible to apply the hash mention functionality it is not required. It is important to note that the specific character is not important (i.e., it could be a "#" a "|" an "S" or any other character or means to indicate the channel name or specific person/people within a specific

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channel combined with the fact that a cross channel is desired. For example, it does not have to be a character at all, it could be a verbal command, or selection of a prompt or icon.

[00183] A method of providing display of exchanged messages, comprises the steps of: providing display of messages exchanged between a plurality of participants, said messages are exchanged within channels, wherein: each of said participants exchanges messages with others of said participants in one or more channels in which message exchange between said plurality of participants is authorized; and any of said participants are prevented from exchanging messages in one or more channels when (or in which) message exchange between said plurality of participants is not authorized; allowing one of said participants sending one of said messages in one of said channels to send said one of said messages in parallel to another one of said channels.

[00184] The above method may be performed with regard to various exemplary embodiments, as follow:

said message is entered into a text entry bar which is associated with said one of said channels so that transmission of said message results in said message being transmitted within said channel, wherein transmission of said message in said channel causes transmission of said message in said another one of said channels.

said message is entered into a text entry bar which is associated with said one of said channels so that transmission of said message results in said message being transmitted within said channel, wherein transmission of said message in said channel causes transmission of said message in said another one of said channels.

said message is modified before being transmitted to said another one of said channels.

said transmission to said one of said channels and said another of said channels is concurrent.

transmission to said one of said channels and said another of said channels is not concurrent.

another of said participants receives said one of said messages and responds with a response so that only said one of said participants receives said response.

said participants are capable of responding to said one of said messages (**A**).

said one of said participants receives a reply to said one of said messages while another of said participants is excluded from receiving said reply, and said one of said participants subsequently is permitted to share said reply with said another of said participants (**B**).

the response in **B** is initiated through physical interaction with a display that is displaying said messages.

responses to said one of said messages are displayed in a manner so that said responses are grouped together.

messages are copyable between said one of said channels and said another of said channels.

said one of said participants inserts one or more characters in said one of said messages to indicate that said message is to be sent in parallel to said another one of said channels.

said one of said messages is visible in said one of said channels by only said one of said participants. another of said participants receives said one of said messages and responds with a response which is sent to less than all of said plurality of participants.

said response in **A* is automatically initiated through software.

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said one of said participants indicates that said message is to be sent in parallel to said another one of said channels responsive to physical action by said one of said participants.

ones of said messages from multiple channels are posted as a group to one or more of said channels (**C**);

said ones of the messages in **C** includes at last one or more responses to said one of said messages.

[00185] With regard to the exemplary embodiment described above, various technical advantages and improvements are obtained over the prior art. For example, to previously send one message in multiple channels has been a laborious process that may require multiple interactions with a computer. Such interactions may include exemplary steps such as entering a message, highlighting the message, executing a "copy" (or a "cut") of the highlighted message, manually switching to other channels so that those channels are successively active, executing a "paste" into each channel as each channel becomes active, and then subsequently performing a "send" in each successively active channel. Thus, the exemplary embodiments achieve various technical advantages including fewer keystrokes, less I/O interaction, more efficient operation, and faster execution. With less I/O interaction, a microprocessor is potentially able to perform a desired function faster and with greater efficiency. By enabling a processor to perform the above described steps, and/or with the above described structure, the possibility of creating errors is reduced. Furthermore, the ability to transmit messages to multiple channels in parallel results in better allocation of resources (which, for example, are not tied up performing I/O operations). In addition, with regard to further exemplary embodiments and optional features, a user is

optionally provided with varying levels of control of messages which provides for desirable levels of customization.

[00186] The above exemplary embodiments have been with regard to one or more users posting messages in one or more channels. In one or more exemplary embodiments, a "personal post" is contemplated, i.e. a post to a group channel that is visible to the poster (i.e. the person who is posting). In the one or more exemplary embodiments, other participants from the group channel where the post occurs are excluded from seeing (or receiving) the post. In the one or more exemplary embodiments, the post is visible to the poster, and all other participants in that channel are prevented from seeing (or receiving) the post. This exemplary embodiment(s) would be a useful way for someone to add a comment at a point in time (a note to self) in context within a group channel. The post may also be a convenient way to summarize a series of earlier posts into a single simple ToDo that is then added to a ToDo list.

[00187] In one or more exemplary embodiments, a user can send a comment to him/herself (or excluding at least one of the plurality of users that has access to the channel in which the comment is sent) in a group channel. In a further exemplary embodiment a prior message in a channel may be converted into an item for a ToDo list and comments may then be added to the channel (visible only to the person who converted the item for the ToDo list). In a further exemplary embodiment, it may be possible to select a "ToDo" function (by clicking on an ADD a ToDo icon) and a text entry box may appear. In this embodiment, a note can be added to a ToDo list with or without it also being posted to the current channel being viewed.

[00188] The above exemplary embodiments have described the ability to send messages across more than one channel. In further exemplary embodiments, a message sent across multiple channels can be replied to using various methodologies. In one exemplary embodiment,

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a reply to a message sent across multiple channels is sent to the user that originally sent the message. In another exemplary embodiment, a reply to a message sent across multiple channels is sent to the channel from which the message was originally sent. In yet another exemplary embodiment, a reply to a message sent across multiple channels is sent to all the channels that received the message. Where the reply is sent to can be controlled in several exemplary ways. For example, where the reply will be sent can be set as a default, with the default set (for example) as a menu option. In another example, a user sending a reply is given the option to specify where the reply will be sent. Such an option may be selected prior to sending the reply. In a further example, where the reply may be sent may be controlled by the message that the user is replying to.

[00189] Additional technical advantages are achieved through exemplary embodiments of the present invention. For example, parallel channel posts enable messages to be posted once but be posted to an additional one or a combination of additional group channels and individual direct message channels. Allowing parallel channel posting reduces the common practice of manually creating or having the system automatically crate new channels for every conceivable combination of users. Not only does spawning a new channel for every conceivable combination of users create tremendous overhead, channel clutter and confusion, but creating new channels in this manner often defeats a main objective of wanting to address additional recipients in the first place, that is, the inclusion into an ongoing conversation, on a temporary basis, of one or more users who are generally excluded from the originating channel. In some cases, the recipients of a parallel channel post will have the option to reply to the post, which reply can be sent to at least the originating poster in at least the originating channel. By allowing messages to be posted in parallel, responses and input from the generally excluded users can be added into a main

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conversation for the principal benefit of that channel's at-that-time authorized permanent member group. In one embodiment of the present invention, replies from users from other channels are posted and visible first only to the original poster of the original parallel channel post. The poster in this case is able to review responses before deciding to share (i.e. make visible) all or part of a response with other users. In this example, the originating user is able to remain engaged and focused and in a single channel or conversation while seeking input or advice from users external to the channel.

[00190] 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.

[00191] 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.

[00192] 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.

[00193] 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.

[00194] 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.

[00195] 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

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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.

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What is claimed is:

1. Apparatus for providing display of exchanged messages, said apparatus comprising:

   a memory for storing said messages; and

   at least one processor for:

      providing display of messages exchanged between a plurality of participants, said messages are exchanged within channels, wherein:

         each of said participants exchanges messages with others of said participants in one or more channels in which message exchange between said plurality of participants is authorized; and any of said participants are prevented from exchanging messages in one or more channels when message exchange between said plurality of participants is not authorized;

      allowing one of said participants sending one of said messages in one of said channels to send said one of said messages in parallel to another one of said channels.

2. Apparatus according to claim 1, wherein said message is entered into a text entry bar which is associated with said one of said channels so that transmission of said message results in said message being transmitted within said channel, wherein transmission of said message in said channel causes transmission of said message in said another one of said channels.

3. Apparatus according to claim 1, wherein said message is modified before being transmitted to said another one of said channels.

4. Apparatus according to claim 1, wherein said transmission to said one of said channels and said another of said channels is concurrent.

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5. Apparatus according to claim 1, wherein said transmission to said one of said channels and said another of said channels is not concurrent.
6. Apparatus according to claim 1, wherein another of said participants receives said one of said messages and responds with a response so that only said one of said participants receives said response.
7. Apparatus according to claim 1, wherein said participants are capable of responding to said one of said messages.
8. Apparatus according to claim 1, wherein said one of said participants receives a reply to said one of said messages while another of said participants is excluded from receiving said reply, and said one of said participants subsequently is permitted to share said reply with said another of said participants.
9. Apparatus according to claim 7, wherein said response is initiated through physical interaction with a display that is displaying said messages.
10. Apparatus according to claim 1, wherein responses to said one of said messages are displayed in a manner so that said responses are grouped together.
11. Apparatus according to claim 1, wherein messages are copyable between said one of said channels and said another of said channels.
12. Apparatus according to claim 1, wherein said one of said participants inserts one or more characters in said one of said messages to indicate that said message is to be sent in parallel to said another one of said channels.
13. Apparatus according to claim 1, wherein said one of said messages is visible in said one of said channels by only said one of said participants.

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14. Apparatus according to claim 1, wherein another of said participants receives said one of said messages and responds with a response which is sent to less than all of said plurality of participants.

15. Apparatus according to claim 7, wherein said response is automatically initiated through software.

16. Apparatus according to claim 1, wherein said one of said participants indicates that said message is to be sent in parallel to said another one of said channels responsive to physical action by said one of said participants.

17. Apparatus according to claim 1, wherein ones of said messages from multiple channels are posted as a group to one or more of said channels.

18. Apparatus according to claim 17, wherein said ones of messages includes at last one or more responses to said one of said messages.

19. A method of providing display of exchanged messages, said method comprising the steps of:

providing display of messages exchanged between a plurality of participants, said messages are exchanged within channels, wherein:

each of said participants exchanges messages with others of said participants in one or more channels in which message exchange between said plurality of participants is authorized; and any of said participants are prevented from exchanging messages in one or more channels when message exchange between said plurality of participants is not authorized;

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allowing one of said participants sending one of said messages in one of said channels to send said one of said messages in parallel to another one of said channels.

20. A method of providing display of exchanged messages according to claim 19, wherein said message is entered into a text entry bar which is associated with said one of said channels so that transmission of said message results in said message being transmitted within said channel, wherein transmission of said message in said channel causes transmission of said message in said another one of said channels.

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ABSTRACT

An apparatus is for providing display of exchanged messages wherein the apparatus comprises a memory for storing the messages; and at least one processor for providing display of messages exchanged between a plurality of participants, the messages are exchanged within channels, wherein each of said participants exchanges messages with others of the participants in one or more channels in which message exchange between the plurality of participants is authorized; and any of the participants are prevented from exchanging messages in one or more channels when message exchange between the plurality of participants is not authorized; and allowing one of the participants sending one of the messages in one of the channels to send the one of the messages in parallel to another one of the channels.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	W1186/20011
	Application Number	
Title of Invention	PARALLEL MESSAGING APPARATUS AND METHOD THEREOF	

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

Secrecy Order 37 CFR 5.2:

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

Inventor Information:

Inventor 1 — Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Marc	A.	COHEN	

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

City	Blue Bell	State/Province	PA	Country of Residence	US

Mailing Address of Inventor:

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Address 2	

City	Blue Bell	State/Province	PA
Postal Code	19422	Country	US

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

Correspondence Information:

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

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

Customer Number	03000		
Email Address		Add Email	Remove Email

Application Information:

Title of the Invention	PARALLEL MESSAGING APPARATUS AND METHOD THEREOF		
Attorney Docket Number	W1186/20011	Small Entity Status Claimed	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	52	Suggested Figure for Publication (if any)	

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Title of Invention	PARALLEL MESSAGING APPARATUS AND METHOD THEREOF	

Filing By Reference:

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

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

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

Publication Information:

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

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

Representative Information:

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

Please Select One:	● Customer Number	US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	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 in part of	15858696	2017-12-29

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	W1186/20011
	Application Number	
Title of Invention	PARALLEL MESSAGING APPARATUS AND METHOD THEREOF	

Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15858696	Continuation in part of	15431077	2017-02-13	9860198	2018-01-02
Prior Application Status	Expired				Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
15431077	Claims benefit of provisional	62446067	2017-01-13		
Prior Application Status	Expired				Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
15858696	Claims benefit of provisional	62518905	2017-06-13		
Prior Application Status	Pending				Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
	Continuation in part of	15609663	2017-05-31		
Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15609663	Continuation of	15293620	2016-10-14	9712466	2017-07-18
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	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		
Prior Application Status	Pending				Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
	Claims benefit of provisional	62666137	2018-05-03		
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.					Add

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	Application Number	
Title of Invention	PARALLEL 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)

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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	W1186/20011
	Application Number	
Title of Invention	PARALLEL 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	W1186/20011
	Application Number	
Title of Invention	PARALLEL 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:

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	W1186/20011
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Title of Invention	PARALLEL 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)	2018-06-21
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	W1186/20011
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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.

Electronic Patent Application Fee Transmittal

Application Number:	
Filing Date:	
Title of Invention:	PARALLEL MESSAGING APPARATUS AND METHOD THEREOF
First Named Inventor/Applicant Name:	Marc A. COHEN
Filer:	Lawrence E. Ashery/Rosemary McNulty
Attorney Docket Number:	W1186/20011

Filed as Small Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
UTILITY FILING FEE (ELECTRONIC FILING)	4011	1	75	75
UTILITY SEARCH FEE	2111	1	330	330
UTILITY EXAMINATION FEE	2311	1	380	380
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**785**

Electronic Acknowledgement Receipt

EFS ID:	32965658
Application Number:	16014578
International Application Number:	
Confirmation Number:	7094
Title of Invention:	PARALLEL MESSAGING APPARATUS AND METHOD THEREOF
First Named Inventor/Applicant Name:	Marc A. COHEN
Customer Number:	3000
Filer:	Lawrence E. Ashery/Rosemary McNulty
Filer Authorized By:	Lawrence E. Ashery
Attorney Docket Number:	W1186/20011
Receipt Date:	21-JUN-2018
Filing Date:	
Time Stamp:	15:32:13
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$785
RAM confirmation Number	062218INTEFSW00002159030075
Deposit Account	030075
Authorized User	Rose McNulty
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.16 (National application filing, search, and examination fees) 37 CFR 1.17 (Patent application and reexamination processing fees)	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Oath or Declaration filed	W118620011_DECLARATION.pdf	4198296 38fe0c8f866a9676e8747d30812ab6a12cbe0fbc	no	2
Warnings:					
Information:					
2	Drawings-other than black and white line drawings	W118620011_DRAWINGS.pdf	12352150 2001d9f805486f64098b61611b2c53651302619b	no	52
Warnings:					
Information:					
3		W118620011_APPLICATION_SPEC.pdf	306836 3d58ba020f8def91fa4b998670ff58931a2f4b5d	yes	75

Multipart Description/PDF files in .zip description

Document Description	Start	End
Specification	1	70
Claims	71	74
Abstract	75	75

Warnings:					
Information:					
4	Application Data Sheet	W118620011_ADS.pdf	1256694 9764d2bcf1dce312e60e7e68c3783617a47d2f34	no	9
Warnings:					
Information:					
5	Fee Worksheet (SB06)	fee-info.pdf	35053 1df71c71b1fab8c243905436c11b1fc161504fa4	no	2

Warnings:	
Information:	
Total Files Size (in bytes):	18149029

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 APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 16/014,578

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	75		N/A	
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	330		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	380		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	20 minus 20 =	*	x 50 =	0.00	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	2 minus 3 =	*	x 230 =	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	785		TOTAL	

APPLICATION AS AMENDED - PART II

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

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

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
16/014,578	06/21/2018	2447	785	W1186/20011	20	2

CONFIRMATION NO. 7094

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

FILING RECEIPT

OC000000100873078

Date Mailed: 07/12/2018

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;

Applicant(s)

Wrinkl, Inc., Sands Point, NY;

Power of Attorney: None

Domestic Priority data as claimed by applicant

This application is a CIP of 15/858,696 12/29/2017 PAT 10025475
which is a CIP of 15/431,077 02/13/2017 PAT 9860198
which claims benefit of 62/446,067 01/13/2017
and said 15/858,696 12/29/2017
claims benefit of 62/518,905 06/13/2017
This application 16/014,578
is a CIP of 15/609,663 05/31/2017 PAT 10009300
which 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
This application 16/014,578
claims benefit of 62/666,137 05/03/2018

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: 07/10/2018

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 16/014,578**

Projected Publication Date: 10/18/2018

Non-Publication Request: No

Early Publication Request: No

** **SMALL ENTITY** **

Title

PARALLEL 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).

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

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

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

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NOT GRANTED

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

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community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit http://www.SelectUSA.gov or call +1-202-482-6800.

MULTIPLE DEPENDENT CLAIM FEE CALCULATION SHEET Substitute for Form PTO-1360 (For use with Form PTO/SB/06)	Application Number 16014578	Filing Date
	Applicant(s) Marc Cohen	
	* May be used for additional claims or amendments	

CLAIMS	AS FILED		AFTER FIRST AMENDMENT		AFTER SECOND AMENDMENT			*		*		*	
	Indep	Depend	Indep	Depend	Indep	Depend		Indep	Depend	Indep	Depend	Indep	Depend
Total Indep	0		0		0								
Total Depend	0	↵	0	↵	0	↵							
Total Claims	0		0		0								

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

PTO/AIA/82A (07-13)
Approved for use through 01/31/2018. OMB 0651-0035
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.

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	16/014,578
Filing Date	June 21, 2018
First Named Inventor	Marc A. Cohen
Title	PARALLEL MESSAGING APPARATUS AND METHOD THEREOF
Art Unit	2447
Examiner Name	
Attorney Docket Number	W1186/20011

SIGNATURE of Applicant or Patent Practitioner

Signature	/lawrence e ashery/	Date (Optional)	September 14, 2018
Name	Lawrence E. Ashery	Registration Number	34,515
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.

☑ *Total of 1 forms are submitted.

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)
Approved for use through 11/30/2014. OMB 0651-0051
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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POWER OF ATTORNEY BY APPLICANT

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

Application Number	Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

☑ 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 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.

Electronic Acknowledgement Receipt

EFS ID:	33721785
Application Number:	16014578
International Application Number:	
Confirmation Number:	7094
Title of Invention:	PARALLEL MESSAGING APPARATUS AND METHOD THEREOF
First Named Inventor/Applicant Name:	Marc A. Cohen
Customer Number:	3000
Filer:	Lawrence E. Ashery/Rosemary McNulty
Filer Authorized By:	Lawrence E. Ashery
Attorney Docket Number:	W1186/20011
Receipt Date:	14-SEP-2018
Filing Date:	21-JUN-2018
Time Stamp:	11:07:58
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	Power of Attorney	W118620011_Powerofattorney.pdf	453507 dfcaa6c1ad58841fe8d9a04c66c6008500189f08	no	2

Warnings:

Information:	
Total Files Size (in bytes):	453507

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for 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 NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
16/014,578	06/21/2018	Marc A. Cohen	W1186/20011

CONFIRMATION NO. 7094

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

POA ACCEPTANCE LETTER

OC000000102403747

Date Mailed: 09/19/2018

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 09/14/2018.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

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

/ldvan/

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UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
16/014,578	06/21/2018	Marc A. Cohen	W1186/20011

CONFIRMATION NO. 7094

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

PUBLICATION NOTICE

OC000000103158341

Title:PARALLEL MESSAGING APPARATUS AND METHOD THEREOF

Publication No.US-2018-0302357-A1
Publication Date:10/18/2018

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.

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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.

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

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	16014578
	Filing Date	2018-06-21
	First Named Inventor	Marc COHEN
	Art Unit	2423
	Examiner Name	Akshay Doshi
	Attorney Docket Number	W1186/20011

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	9218603		2015-12-22	KUMAR	
	2	7945620		2011-05-17	BOU-GHANNAM et al.	
	3	9712466		2017-07-18	COHEN et al.	
	4	9860198		2018-01-02	COHEN et al.	
	5	10009300		2018-06-26	COHEN et al.	
	6	10025475		2018-07-17	COHEN	
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	Examiner Name	Akshay Doshi
	Attorney Docket Number	W1186/20011

	1	20090119371		2009-05-07	CHANG et al.	
	2	20110289406		2011-11-24	WAESSINGBO	
	3	20140195621		2014-07-10	RAO DV	
	4	20160179773		2016-06-23	SHEN et al.	
	5	20160294742		2016-10-06	WEAVER et al.	
	6	20020095465		2002-07-18	BANKS et al.	
	7	20070185961		2007-08-09	PERLOW et al.	
	8	20110047227		2011-02-24	ARTHURS et al.	
	9	20120017149		2012-01-19	LAI et al.	
	10	20140040784		2014-02-06	BEHFOROOZ et al.	
	11	20140067977		2014-03-06	RASMUSSEN et al.	

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	12	20140219433		2014-08-07	PAI et al.	
	13	20140298210		2014-10-02	PARK et al.	
	14	20150188928		2015-07-02	SHAPIRO	
	15	20160330147		2016-11-10	ANTEBI et al.	
	16	20170163594		2017-06-08	ANDERSON	
	17	20050198584		2005-09-08	MATTHEWS et al.	

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	Filing Date	2018-06-21
	First Named Inventor	Marc COHEN
	Art Unit	2423
	Examiner Name	Akshay Doshi
	Attorney Docket Number	W1186/20011

	1	BROWN, A. (2016). WhatsApp quietly introduced a brand-new way to reply to your messages. Express. Available online from https://www.express.co.uk/life-style/science-technology/679325/WhatsApp-How-To-Quote-Message-In-Reply-iOS-Android-Chat.	
	2	SLACK. "Share messages in Slack" in "Using Slack". Obtained from https://get.slack.help/hc/en-us/articles/203274767-Share-messages-in-Slack. January 2017.	

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	Application Number	16014578
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	First Named Inventor	Marc COHEN
	Art Unit	2423
	Examiner Name	Akshay Doshi
	Attorney Docket Number	W1186/20011

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).

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☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☒ See attached certification statement.

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

A certification statement is not submitted herewith.

SIGNATURE

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

Signature	/Michael J. Cornelison/	Date (YYYY-MM-DD)	2019-09-24
Name/Print	Michael J. Cornelison	Registration Number	40395

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

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

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

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

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

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

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

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

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

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EFS ID:	37252243
Application Number:	16014578
International Application Number:	
Confirmation Number:	7094
Title of Invention:	PARALLEL MESSAGING APPARATUS AND METHOD THEREOF
First Named Inventor/Applicant Name:	Marc A. Cohen
Customer Number:	3000
Filer:	Michael Cornelison/Robin Wilson
Filer Authorized By:	Michael Cornelison
Attorney Docket Number:	W1186/20011
Receipt Date:	24-SEP-2019
Filing Date:	21-JUN-2018
Time Stamp:	10:46:43
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	Transmittal Letter	W118620011_IDS_CERT.pdf	167297 55057dfcce265bef67ffaf7386fb64f81b82b526	no	2

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2	Information Disclosure Statement (IDS) Form (SB08)	W118620011_IDS.pdf	1036300 6dbae44d4fb437dd864cf0360c86f8b03481e645	no	6
Warnings:					
Information:					
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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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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT EXAMINING OPERATION

First Named Inventor: Marc A. COHEN

Application Serial No.: 16/014,578 Group Art Unit: 2423

Filed: June 21, 2018 Examiner: Akshay Doshi

Attorney Docket No.: W1186/20011 Confirmation No.: 7094

For: PARALLEL 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

Petitioners
Exh-1016, p. 165

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).

Respectfully submitted,
CAESAR RIVISE, PC

September 24, 2019

By /Michael J. Cornelison/
Michael J. Cornelison
Registration No. 40,395
Customer No. 03000
(215) 567-2010
Attorneys for Applicant

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

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

PTO/SB/08a (03-15)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Number	16014578
Filing Date	2018-06-21
First Named Inventor	Marc COHEN
Art Unit	2423
Examiner Name	Akshay Doshi
Attorney Docket Number	W1186/20011

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	1	20140059040		2014-02-27	Cha et al.	

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	Examiner Name	Akshay Doshi
	Attorney Docket Number	W1186/20011

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	Attorney Docket Number	W1186/20011

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☒ See attached certification statement.

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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	/Michael J. Cornelison/	Date (YYYY-MM-DD)	2020-01-13
Name/Print	Michael J. Cornelison	Registration Number	40395

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

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Electronic Acknowledgement Receipt

EFS ID:	38273084
Application Number:	16014578
International Application Number:	
Confirmation Number:	7094
Title of Invention:	PARALLEL MESSAGING APPARATUS AND METHOD THEREOF
First Named Inventor/Applicant Name:	Marc A. Cohen
Customer Number:	3000
Filer:	Michael Cornelison/Robin Wilson
Filer Authorized By:	Michael Cornelison
Attorney Docket Number:	W1186/20011
Receipt Date:	13-JAN-2020
Filing Date:	21-JUN-2018
Time Stamp:	10:24:28
Application Type:	Utility under 35 USC 111(a)

Payment information:

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Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	W118620011_IDS_CERT.pdf	167305 f3a92f4cdd5cc9d0fe86296989ef3d8f02228dab	no	2
Warnings:					

Information:					
2	Information Disclosure Statement (IDS) Form (SB08)	W118620011_IDS.pdf	1035113 7a579356b6a66c41af3502ac31ebbfcea2d9f9da	no	4
Warnings:					
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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

Application Serial No.: 16/014,578 Group Art Unit: 2423

Filed: June 21, 2018 Examiner: Akshay Doshi

Attorney Docket No.: W1186/20011 Confirmation No.: 7094

For: PARALLEL 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

Petitioners
Exh-1016, p. 173

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).

Respectfully submitted,
CAESAR RIVISE, PC

January 13, 2020

By /Michael J. Cornelison/
Michael J. Cornelison
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Customer No. 03000
(215) 567-2010
Attorneys for Applicant

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

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

PTO/SB/08a (01-10)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	16014578
	Filing Date	2018-06-21
	First Named Inventor	Marc A. COHEN
	Art Unit	2423
	Examiner Name	Doshi Akshay
	Attorney Docket Number	W1186/20011

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	8832569		2014-09-09	Chen et al.	
	2	9262455		2016-02-16	Palay	
	3	9426102		2016-08-23	Wong et al.	
	4	9971500		2018-05-15	Yang et al.	
	5	9996248		2018-06-12	Park et al.	

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

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Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20060031361		2006-02-09	Bailey et al.	

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	2	20090094288		2009-04-09	Berry et al.		
	3	20100299599		2010-11-25	Shin et al.		
	4	20120198360		2012-08-02	Wanderski et al.		
	5	20140096033		2014-04-03	Blair		
	6	20140143684		2014-05-22	Oh et al.		
	7	20180159812		2018-06-07	Sarafa 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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Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

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	1	'Top 50 Features of Slack to Boost Your Productivity", Blog.standuply.com, September 11, 2016, retrieved from: <https://blog.standuply.com/50-additional-features-of-slack-to-boost-your-productivity-959ee56f7893>, retrieved on December 11, 2019.	
	2	'How To Retweet With A Comment, aka Use The Life-Changing Feature Twitter Just Added," Bustle.com, April 7, 2015, retrieved from: URL<https://www.bustle.com/articles/74648-how-to-retweet-with-a-comment-aka-use-the-life-changing-feature-twitter-just-added>, retrieved on December 11, 2019.	
	3	'Narwhal: The Best Reddit Client-Apps (App Walkthrough," Corban Tech, December 16, 2016, retrieved from: URL<https://www.youtube.com/watch?v=78wgtwP1hKE>, (Video Submission), retrieved on December 11, 2019.	
	4	'WhatsApp Can Quote Messages You Want to Respond To," Engadget.com, June 2016, retrieved from: URL<https://www.engadget.com/2016/06/12/whatsapp-quote-messages/>, retrieved on December 11, 2019.	
	5	'How to Retweet Anything iPhone iPad iPod Mac," Tech & Design, July 18, 2015, retrieved from: URL<https://www.youtube.com/watch?v=6D MkQO0zjY>, (Video Submission), retrieved on December 11, 2019.	
	6	'How to Retweet the Right Way (With a Comment) on Twitter," HubSpot.com, April 15, 2015, retrieved from: URL<https://blog.hubspot.com/blog/tabid/6307/bid/27675/how-to-retweet-the-right-way-in-4-easy-steps.aspx>, retrieved on December 11, 2019.	
	7	'Twitter Updates TweetDeck, Allows Users to Edit and Retweet," Mashable.com, March 22, 2012, retrieved from: URL<https://mashable.com/2012/03/22/tweetdeck-rt-updates/>, retrieved on December 11, 2019.	
	8	'Outlook for Android: Swipe Options, Swipe Left for Reply, Swipe Right for Forward. Please Add These Options," Outlook.uservoice.com, September 30, 2015, retrieved from: URL<https://outlook.uservoice.com/forums/293346-outlook-for-android/suggestions/9992319-swipe-options-swipe-left-for-reply-swipe-right-f>, retrieved on December 11, 2019.	
	9	'How To Use the New Retweet Function on Twitter-Social Media Solutions," Plexus Worldwide, April 7, 2015, retrieved from: URL<https://www.youtube.com/watch?v=Ji9mAP8vwiQ>, (Video Submission), retrieved on December 11, 2019.	
	10	'Using Slack," Slack.com, 2019, retrieved from: URL<https://slack.com/help/articles/203274767>, retrieved on December 11, 2019.	
	11	'Sharing Messages in Slack," Slackhq.com, May 2016, retrieved from: URL<https://slackhq.com/sharing-messages-in-slack>, retrieved on December 11, 2019.	

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	Art Unit	2423
	Examiner Name	Doshi Akshay
	Attorney Docket Number	W1186/20011

	12	'Share Messages in Slack: From Channels to Search - Learn How Slack Works From Top To Bottom!," Slack.com, retrieved from: URL<https://slack.com/help/articles/203274767-Share-messages-in-Slack>, retrieved on December 16, 2019.	
	13	'Free Open-Source Distributed Alternative to Twitter: Mastodon," T5 by Robin Good, October 10, 2016, retrieved from: URL<tools.robingood.com/site/contents/content/765621/2016-10-06/free-open-source-distributed-alternative-to-twitter-mastodon>, retrieved on December 11, 2019.	
	14	Written Opinion of related PCT Application No. PCT/US2018/13462 dated April 4, 2018.	
	15	International Search Report and Written Opinion for PCT Application No. PCT/U52018/13462 dated April 4, 2018.	

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

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

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

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

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	Application Number	16014578
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	First Named Inventor	Marc A. COHEN
	Art Unit	2423
	Examiner Name	Doshi Akshay
	Attorney Docket Number	W1186/20011

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	/Michael J. Cornelison/	Date (YYYY-MM-DD)	2020-01-23
Name/Print	Michael J. Cornelison	Registration Number	40395

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

Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To: LAWRENCE E. ASHERY
CAESAR RIVISE, PC
7 PENN CENTER
12TH FLOOR
1635 MARKET STREET
PHILADELPHIA, PA 19103

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43*bis*.1)

Date of mailing *(day/month/year)*	04 APR 2018
Applicant's or agent's file reference W1186-20007	**FOR FURTHER ACTION** See paragraph 2 below

International application No.	International filing date *(day/month/year)*	Priority date *(day/month/year)*
PCT/US 18/13462	12 January 2018 (12.01.2018)	13 January 2017 (13.01.2017)

International Patent Classification (IPC) or both national classification and IPC
IPC(8) - G06F 15/16, H04L 12/58, H04L 29/06 (2018.01)
CPC - H04L 51/00, H04L 51/02, H04L 51/04, H04L 65/00, H04L 51/043, H04L 51/046

Applicant WRINKL, INC.

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

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

2. **FURTHER ACTION**

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

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

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

Name and mailing address of the ISA/US	Date of completion of this opinion	Authorized officer
Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-8300	08 March 2018 (08.03.2018)	Lee W. Young PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774

Form PCT/ISA/237 (cover sheet) (January 2015)

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US 18/13462

Box No. I Basis of this opinion

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

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

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

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

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

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

      ☐ in the form of an Annex C/ST.25 text file.

      ☐ on paper or in the form of an image file.

   b. ☐ furnished together with the international application under PCT Rule 13*ter*.1(a) for the purposes of international search only in the form of an Annex C/ST.25 text file.

   c. ☐ furnished subsequent to the international filing date for the purposes of international search only:

      ☐ in the form of an Annex C/ST.25 text file (Rule 13*ter*.1(a)).

      ☐ on paper or in the form of an image file (Rule 13*ter*.1(b) and Administrative Instructions, Section 713).

4. ☐ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that forming part of the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

5. Additional comments:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US 18/13462

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

1. Statement

Novelty (N)	Claims	22, 24	YES
	Claims	1-21, 23, 25	NO
Inventive step (IS)	Claims	None	YES
	Claims	1-25	NO
Industrial applicability (IA)	Claims	1-25	YES
	Claims	None	NO

2. Citations and explanations:

Claims 1-21, 23, and 25 lack novelty under PCT Article 33(2) as being anticipated by US 2014/0143684 A1 to Samsung Electronics Co., Ltd. (hereinafter SAMSUNG).

As per claim 1, SAMSUNG discloses a method for referencing a message, said method comprising the steps of: receiving selection, from a display, of said message by selecting an area or object displayed on said display and associated with said message, wherein at least a portion of said message is displayed during said selection, (para [0037]-[0039]); allowing a further message to be formed with a link to said message, wherein said message was displayed prior to said further message being formed, (para [0099]-[0100]), wherein said selection causes said link to be included automatically in said further message and is performed by a single step, which is the selection itself, (para [0058], [0100]-[0102]); wherein said link is associated with said further message, and wherein said link is included in said further message responsive to said selection of the area or object, (para [0103]-[0105]); and changing display of information associated with said message a) responsive to selection of a displayed further area or portion associated with said further message, (para [0068]-[0070]); and b) based on said link, (para [0071]-[0072]); wherein said message and said further message are transmitted at respectively different times, (para [0084]-[0085], [0097]-[0098]).

As per claim 2, SAMSUNG further discloses a method for referencing a message according to claim 1, wherein said selection is obtained by placing a further object over where said area or said object is displayed, (para [0043]-[0045]).

As per claim 3, SAMSUNG further discloses a method for referencing a message according to claim 1, wherein a text entry box is provided in which said further message is formed before transmitted, wherein selection of the area or object associated with the message causes said indication which is a reference object to be inserted into said text entry box, (para [0058]-[0059]).

As per claim 4, SAMSUNG further discloses a method for referencing an object according to claim 2, wherein after said further message is transmitted said further message is displayed with a display object which is said portion associated with said further message and said link, (para [0099]-[0101], [0104]).

As per claim 5, SAMSUNG further discloses a method for referencing an object according to claim 4, wherein selection of said display object causes at least a portion of said message to be displayed, (para [0104]-[0105], [0117]).

As per claim 6, SAMSUNG further discloses a method for referencing an object according to claim l, wherein said information associated with said message that is displayed is at least a portion of said message that was displayed, (para [0117], [0235]-[0236]).

As per claim 7, SAMSUNG further discloses a method for referencing an object according to claim 1, wherein said information associated with said message that is displayed is other than any portion of said message that was displayed, (para [0044]-[0047]).

As per claim 8, SAMSUNG further discloses a method for referencing an object according to claim 1, wherein said message and said further message are part of a continuous stream of messages, (para [0033], [0035]).

As per claim 9, SAMSUNG further discloses a method for referencing an object according to claim 1, said method further comprising the step of providing an indication that said selection of said area or said object has been received, (para [0090]-[0093], [0235]-[0236]).

As per claim 10, SAMSUNG discloses an apparatus for referencing a message, said apparatus comprising: a memory for storing said message, (para [0065]-[0067]); and at least one processor, (para [0234]) for: a. receiving selection, from a display, of said message by selecting an area or object displayed on said display and associated with said message, wherein said message is displayed during said selection, (para [0037]-[0039]); and b. allowing a further message to be formed with a link to said message, wherein said message was displayed prior to said further message being formed, (para [0099]-[0100]), wherein said selection causes said link to be included automatically in said further message and is performed by a single step, which is the selection itself, (para [0058], [0100]-[0102]); wherein said link is associated with said further message, and wherein said link is included in said further message responsive to said selection of the area or object, (para [0103]-[0105]); and c. changing display of information associated with said message a) responsive to selection of a displayed further area or portion associated with said further message, (para [0068]-[0070]); and b) based on said link, (para [0071]-[0072]); d. wherein said message and said further message are transmitted at respectively different times, (para [0084]-[0085], [0097]-[0098]).

---See Continuation on Supplemental Page---

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US 18/13462

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.
Continuation of:
Citations and Explanation:

As per claim 11, SAMSUNG further discloses an apparatus for referencing a message according to claim 10, wherein said selection is obtained by placing a further object over where said area or said object is displayed, (para [0043]-[0045]).

As per claim 12, SAMSUNG further discloses an apparatus or referencing a message according to claim 10, wherein a text entry box is provided in which said further message is formed before transmitted, wherein selection of the area or object associated with the message causes said indication which is a reference object to be inserted into said text entry box, (para [0058]-[0059]).

As per claim 13, SAMSUNG further discloses an apparatus for referencing a message according to claim 11, wherein after said further message is transmitted said further message is displayed with a display object which is said portion associated with said further message and said link, (para [0099]-[0101], [0104]).

As per claim 14, SAMSUNG further discloses an apparatus for referencing a message accordingly to claim 13, wherein selection of said display object causes at least a portion of said message to be displayed, (para [0104]-[0105], [0117]).

As per claim 15, SAMSUNG further discloses an apparatus for referencing an object according to claim 10, wherein said information associated with said message that is displayed is at least a portion of said message that was displayed, (para [0117], [0235]-[0236]).

As per claim 16, SAMSUNG further discloses an apparatus for referencing an object according to claim 10, wherein said information associated with said message that is displayed is other than any portion of said message that was displayed, (para [0044]-[0047]).

As per claim 17, SAMSUNG further discloses an apparatus for referencing an object according to claim 10, wherein said message and said further message are part of a continuous stream of messages, (para [0033], [0035]).

As per claim 18, SAMSUNG further discloses a method for referencing a message according to claim 10, wherein said message engine is further for providing an indication that said selection of said area or said object has been received, (para [0090]-[0093], [0235]-[0236]).

As per claim 19, SAMSUNG further discloses an apparatus wherein changing display of information includes causing display of information, (para [0215]-[0216], [0235]-[0236]).

As per claim 20, SAMSUNG further discloses an apparatus wherein changing display of information includes causing display of information, (para [0215]-[0216], [0235]-[0236]).

As per claim 21, SAMSUNG further discloses a method wherein said link is included in said further message without requesting said link to be included in said further message from a menu, (para [0058], [0086], [0134]).

As per claim 23, SAMSUNG further discloses a method wherein said link is one of a plurality of links formed in said further message, and said plurality of links correspond to a plurality of messages, (para [0058], [0179]).

As per claim 25, SAMSUNG further discloses a method wherein a unique identifier is associated with said message and said link includes said unique identifier, (para [0043]-[0046], [0213]).

Claims 22 and 24 lack an inventive step under PCT Article 33(3) as being obvious over SAMSUNG in view of US 2014/0096033 A1 to SOFTWARE HOT-HOUSE LTD. (hereinafter SOFTWARE).

As per claim 22, SAMSUNG discloses the method of claim 1, but fails to disclose wherein said further message is one of a plurality of further messages that are formed with links to respective messages, and said respective messages are from respectively different messaging channels. However, SOFTWARE, in an analogous art, describes wherein said further message is one of a plurality of further messages that are formed with links to respective messages, and said respective messages are from respectively different messaging channels (SOFTWARE para [0284]-[0286], [0302], [0305], [0306]). It would have been obvious to one of ordinary skill in the art to have modified the system of SAMSUNG to include the different message channels of SOFTWARE because the modification would allow for synchronization of multiple communication mediums and their respective linked conversations (SOFTWARE, para [0285]-[0286]).

As per claim 24, SAMSUNG discloses the method of claim 1, but fails to disclose wherein said method further comprising the step of removing said link from said further message after said further message is transmitted. However, SOFTWARE, in an analogous art, describes the step of removing said link from said further message after said further message is transmitted (SOFTWARE para [0213], [0274]). It would have been obvious to one of ordinary skill in the art to modify the system of SAMSUNG to include the thread link deletion of SOFTWARE because the modification would allow for the removal of inactive or irrelevent thread links (SOFTWARE, para [0274]-[0275]).

Claims 1-25 have industrial applicability as defined by PCT Article 33(4) because the subject matter can be made or used in industry.

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference W1186-20007	**FOR FURTHER ACTION**	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/US 18/13462	International filing date *(day/month/year)* 12 January 2018 (12.01.2018)	(Earliest) Priority Date *(day/month/year)* 13 January 2017 (13.01.2017)
Applicant WRINKL, INC.		

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

This international search report consists of a total of 2 sheets.

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

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

2. ☐ **Certain claims were found unsearchable** (see Box No. II).

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

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

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

6. With regard to the **drawings**,
   a. the figure of the **drawings** to be published with the abstract is Figure No. 1
      ☒ as suggested by the applicant.
      ☐ as selected by this Authority, because the applicant failed to suggest a figure.
      ☐ as selected by this Authority, because this figure better characterizes the invention.
   b. ☐ none of the figures is to be published with the abstract.

Form PCT/ISA/210 (first sheet) (January 2015)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 18/13462

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - G06F 15/16, H04L 12/58, H04L 29/06 (2018.01)
CPC - H04L 51/00, H04L 51/02, H04L 51/04, H04L 65/00, H04L 51/043, H04L 51/046

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

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
See Search History Document

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

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
See Search History Document

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X -- Y	US 2014/0143684 A1 (Samsung Electronics Co., Ltd.) 22 May 2014 (22.05.2014); entire document especially Abstract, para [0033], [0035], [0037]-[0039], [0043]-[0047], [0058]-[0059], [0065]-[0072], [0086], [0090]-[0093], [0097]-[0105], [0117], [0134], [0179], [0213], [0235]-[0236].	1-21, 23, 25 ---------- 22, 24
Y	US 2014/0096033 A1 (SOFTWAREHOT-HOUSE LTD.) 03 April 2014 (03.04.2014); entire document especially Abstract, para [0213], [0274], [0284]-[0286], [0302], [0305], [0306].	22, 24
A	US 2009/0094288 A1 (Berry et al.) 09 April 2009 (09.04.2009); entire document.	1-25
A	US 2006/0031361 A1 (Bailey et al.) 09 February 2006 (09.02.2006); entire document.	1-25

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:
"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier application or patent but published on or after the international filing date
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed
"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
07 March 2018 (07.03.2018)	04 APR 2018
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-8300	Authorized officer: Lee W. Young PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774

Form PCT/ISA/210 (second sheet) (January 2015)

Electronic Acknowledgement Receipt

EFS ID:	38376182
Application Number:	16014578
International Application Number:	
Confirmation Number:	7094
Title of Invention:	PARALLEL MESSAGING APPARATUS AND METHOD THEREOF
First Named Inventor/Applicant Name:	Marc A. Cohen
Customer Number:	3000
Filer:	Michael Cornelison/Robin Wilson
Filer Authorized By:	Michael Cornelison
Attorney Docket Number:	W1186/20011
Receipt Date:	23-JAN-2020
Filing Date:	21-JUN-2018
Time Stamp:	11:36:59
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	W118620011_IDS_CERT.pdf	167314 a63953261c4e7a50749337aa0fd70623eb59fe45	no	2

Warnings:

Information:					
2	Information Disclosure Statement (IDS) Form (SB08)	W118620011_IDS.pdf	614065 0533f9768d702f72186e672b4388aaeb61840fe2	no	6
Warnings:					
Information:					
3	Non Patent Literature	BLOGSTANDUPLY_Top50Features.pdf	3769279 4d07cb9700dee8c053437456a03f3f11b6d54e3a	no	44
Warnings:					
Information:					
4	Non Patent Literature	BUSTLE_HowToRetweet.pdf	503596 6fe093f04a02b5654dbbb0522270e7d86c28699b	no	4
Warnings:					
Information:					
5	Non Patent Literature	CORBANTECH_NarwhalTheBest.pdf	156161 23894c619a08f9e78107436f5824c60c6d886229	no	1
Warnings:					
Information:					
6	Non Patent Literature	ENDGADGET_WhatsAppCan.pdf	574170 2d1a08dcd204e2cfc1e80789d7db27efde4e4bd0	no	3
Warnings:					
Information:					
7	Non Patent Literature	TECHandDESIGN_HowToRetweet.pdf	158565 46346d673fc22360d0653db5849675d0a5dfdbc8	no	1
Warnings:					
Information:					
8	Non Patent Literature	HUBSPOT_HowToRetweet.pdf	1984760 0e35fd0d933c982c8ca3b361bc7daa2fb26d57d2	no	16
Warnings:					
Information:					

9	Non Patent Literature	MASHABLE_TwitterUpdatesTweet.pdf	320395 62a9b570eb806d7bdd00e07e3859c0b0e65aaeba	no	3
Warnings:					
Information:					
10	Non Patent Literature	OUTLOOKUSERVOICE_OutlookForAndroid.pdf	544000 41f6d30995d12846256ef5ccd765af5505b6f140	no	5
Warnings:					
Information:					
11	Non Patent Literature	PLEXUSWORLDWIDE_HowToUse.pdf	174191 7021a3e0c668f022d466b7f307863c438409495b	no	1
Warnings:					
Information:					
12	Non Patent Literature	SLACK_UsingSlack.pdf	576906 551c98a662d3615ebc9f9c02e823c05321d0d767	no	5
Warnings:					
Information:					
13	Non Patent Literature	SLACKHQ_SharingMessagesIn.pdf	505345 fe217598a8381a88c0204868c1591c5ecaf24371	no	5
Warnings:					
Information:					
14	Non Patent Literature	12_20_2020_Slack.pdf	181783 f86d5d7f2d3d01adf3e4351740400bbdfd5a75ce	no	5
Warnings:					
Information:					
15	Non Patent Literature	T5BYROBINGOOD_FreeOpenSource.pdf	347647 b93285651a1d22dc465d1b7afdb6ecddf36c3352	no	2
Warnings:					
Information:					

16	Other Reference-Patent/App/Search documents	Written_Opinion.pdf	245711 cd64dd5f9eb2110d566cc2a87ebb00579b920218	no	4
Warnings:					
Information:					
17	Other Reference-Patent/App/Search documents	ISA.pdf	99362 9bdcebc6760603d37f9c942edbd78097f03daa96	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	10923250		

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

Application Serial No.: 16/014,578 Group Art Unit: 2423

Filed: June 21, 2018 Examiner: Akshay Doshi

Attorney Docket No.: W1186/20011 Confirmation No.: 7094

For: PARALLEL 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

Petitioners
Exh-1016, p. 191

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).

Respectfully submitted,
CAESAR RIVISE, PC

January 23, 2020

By /Michael J. Cornelison/
Michael J. Cornelison
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Attorneys for Applicant

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

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/014,578	06/21/2018	Marc A. Cohen	W1186/20011	7094

3000 7590 02/02/2021

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

EXAMINER	
DOSHI, AKSHAY	

ART UNIT	PAPER NUMBER
2423	

NOTIFICATION DATE	DELIVERY MODE
02/02/2021	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. 16/014,578	Applicant(s) Cohen, Marc A.	
	Examiner AKSHAY DOSHI	Art Unit 2423	AIA (FITF) Status Yes

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

Period for Reply

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

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

Status

1)☑ Responsive to communication(s) filed on 6/21/20018.

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

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

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

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

Disposition of Claims*

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

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

6) ☐ Claim(s) _____ is/are allowed.

7) ☑ Claim(s) 1-20 is/are rejected.

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

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

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

Application Papers

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

11)☑ The drawing(s) filed on 6/21/2018 is/are: a)☑ accepted or b)☐ objected to by the Examiner.

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

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

Priority under 35 U.S.C. § 119

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

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

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

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

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: _____.

DETAILED ACTION

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

2. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

Priority

The later-filed application must be an application for a patent for an invention which is also disclosed in the prior application (the parent or original nonprovisional application or provisional application). The disclosure of the invention in the parent application and in the later-filed application must be sufficient to comply with the requirements of 35 U.S.C. 112(a) or the first paragraph of pre-AIA 35 U.S.C. 112, except for the best mode requirement. See *Transco Products, Inc. v. Performance Contracting, Inc.*, 38 F.3d 551, 32 USPQ2d 1077 (Fed. Cir. 1994)

3. The disclosure of the prior-filed application, Application No. 15/858,696, 62/518,905, 15/609,663 , 15/431,077, 62/446,067, 15/293,620, 62/358,719, and 62/253,229 fails to provide adequate support or enablement in the manner provided by 35 U.S.C. 112(a) or pre-AIA 35 U.S.C. 112, first paragraph for one or more claims of this application. Prior filed applications does not disclose claimed feature of, "allowing one of said participants sending one of said messages in one of said channels to send

said one of said messages in parallel to another one of said channels" as claimed in independent claims 1 and 19. Therefore the currently claims are given priority only to 62/666,137 dated 05/03/2018.

Double Patenting

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

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the reference application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of

activities undertaken within the scope of a joint research agreement. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

The USPTO internet Web site contains terminal disclaimer forms which may be used. Please visit http://www.uspto.gov/forms/. The filing date of the application will determine what form should be used. A web-based eTerminal Disclaimer may be filled out completely online using web-screens. An eTerminal Disclaimer that meets all requirements is auto-processed and approved immediately upon submission. For more information about eTerminal Disclaimers, refer to http://www.uspto.gov/patents/process/file/efs/guidance/eTD-info-I.jsp

4. Claims 1, 6, 13, 14, and 19 are rejected on the ground of nonstatutory obviousness-type double patenting over claims 1, 6, 7 US Patent 10009300 in view of Isensee et al. (US 20150088998). Although the claims at issue are not identical, they are not patentably distinct from each other because they claim similar subject matter.

The subject matter claimed in the instant application's independent claims 1 and 19 is disclosed in claims 1 of US patent 10009300 claiming the similar common subject matter, as follows:

Instant Application No. 16/014,578	US patent 10009300
Claim 1 and 19: maps to	Claims 1 and 10
Claims 6, 13, 14, maps to	Claims 6 and 7

Claim 1 and 10 of US patent 10009300 does not claim feature of, "**allowing one of said participants sending one of said messages in one of said channels to send said one of said messages in parallel to another one of said channels".**

Isensee discloses, allowing one of said participants sending one of said messages in one of said channels to send said one of said messages in parallel to another one of said channels (par. 0081 fig. 5 discloses communication message copied from one communication session to another communication session, the content of the three sessions may be shared with any of the other communication sessions, in example of session 330 and 510 user "Sandra" is able send the same message in both session in parallel to each other)**.**

Therefore, it would have been obvious to one of ordinary skill in the art to modify limitations of claims 1 and 10 of US patent 10009300 by adding feature of allowing one of said participants sending one of said messages in one of said channels to send said one of said messages in parallel to another one of said channels, as taught by **Isensee,** to obtain instant application's claim 1, and 19 as claimed.

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 of this title, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains.

Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-5, 7, 10-12, 15, 16, 19, and 20 are rejected under U.S.C. 103 as being unpatentable over Isensee et al. (US 20150088998), hereinafter as Isensee, in view of Passmore et al. (US 20120240062), hereinafter as Passmore.

Regarding claim 1, Isensee discloses, apparatus for providing display of exchanged messages (par. 0039, fig. 1-4 disclose client device 110 providing exchanged messages between participants), **said apparatus comprising: a memory for storing said messages (**par. 0048 discloses data processing system 200 may be a portable computing device that is configured with flash memory to provide non-volatile memory for storing operating system files and/or user-generated data**); and**

at least one processor (par. 0040 discloses, fig. 2 discloses, Processing unit 206) **for:**

providing display of messages exchanged between a plurality of participants (par. 0067, fig. 3-5 discloses interface for message exchanged between plurality of users)**, said messages are exchanged within channels** (par. 0070, 0078 fig. 3-5 discloses user interface element 310 and 330 displaying messages exchanged between plurality of participants, each communication session window 310 and 330 between users = different channels), **wherein:**

each of said participants exchanges messages with others of said participants in one or more channels in which message exchange between said plurality of participants (par. 0070, 0078 fig. 3-5 discloses user interface element 310

and 330 displaying messages exchanged between plurality of participants, here message exchanges between users are performed therefore it is authorized**);**

allowing one of said participants sending one of said messages in one of said channels to send said one of said messages in parallel to another one of said channels (par. 0081 fig. 5 discloses communication message copied from one communication session to another communication session, the content of the three sessions may be shared with any of the other communication sessions, in example of session 330 and 510 user "Sandra" is able send the same message in both session in parallel to each other)**.**

Isensee explicitly does not disclose, feature of authorizing message exchange between participants and preventing message exchanging between participants when message exchange is not authorized.

Passmore discloses, each of said participants exchanges messages with others of said participants in one or more channels in which message exchange between said plurality of participants is authorized (par. 0051 discloses chat channels permits/approves every members to send and receive messages)**,**

any of said participants are prevented from exchanging messages in one or more channels when message exchange between said plurality of participants is not authorized (par. 0044 degrading sender's capacity to deliver messages by preventing the user from sending new share (i.e. another) messages until a predetermined time period is elapsed, par. 0051 discloses approve or deny messages from any members before rebroadcasting the messages to all members).

It would have been obvious to one of ordinary skill in the art before the effective filing date of the invention to modify the system of Isensee, by teachings of authorizing participants to exchange messages and preventing participants from exchanging messages when message exchange between said plurality of participants is not authorized, to allow messaging system to filter and track the messages, as disclosed in **Passmore** par. 0006.

Regarding claim 2, Apparatus according to claim 1,

Isensee in view of Passmore further discloses, wherein said message is entered into a text entry bar which is associated with said one of said channels so that transmission of said message results in said message being transmitted within said channel, wherein transmission of said message in said channel causes transmission of said message in said another one of said channels (**Passmore** par. 0041 discloses utilizing a SMS as text based messaging interface, such as instant messenger, also includes mobile devices, smartphones, i.e. SMS or instant messenger interface includes text entry bar in which user can enter the messages, **Passmore** par. 0060, fig. 40 discloses source channel and plurality destination channels 412 and 416 linked according user defined hash tags 404, and 406 (in this example "#911" is hash tag) text based messages 402 in source channel are automatically routed to channels 412 and 416, also see fig. 11 transmission of message with identifier of channel for example identifier of channel being @oregon kvo123@ that causes the message to be sent to that channel).

Regarding claim 3, Apparatus according to claim 1,

Isensee further discloses, wherein said message is modified before being transmitted to said another one of said channels (par. 0081 discloses user can transmit the same message to another communication session in parallel by using user interface elements 530, message shown in session 510, par. 0088 discloses that message can be copied from one session to another session and system may modify to make them specific to the context of the communication session between user).

Regarding claim 4, Apparatus according to claim 1,

Isensee does not disclose, wherein said transmission to said one of said channels and said another of said channels is concurrent.

Passmore discloses, wherein said transmission to said one of said channels and said another of said channels is concurrent (par. 0060, fig. 40 discloses source channel and plurality destination channels 412 and 416 linked according user defined hash tags 404, and 406 (in this example "#911" is hash tag) text based messages 402 in source channel are automatically routed to channels 412 and 416, also see fig. 11 transmission of message with identifier of channel for example identifier of channel being @oregon kvo123@ that causes the message to be sent to that channel, i.e. message sent concurrently to two different message channel).

It would have been obvious to one of ordinary skill in the art before the effective filing date of the invention to modify the system of Isensee, by teachings of transmission to multiple channels concurrently, to allow user the method that requires less input

manipulation for sending message to plurality of channels, as disclosed in **Passmore** par. 0007.

Regarding claim 5, Apparatus according to claim 1,

Isensee further discloses, wherein said transmission to said one of said channels and said another of said channels is not concurrent (par. 0081 discloses user can transmit the same message to another communication session in parallel by using user interface elements 530, message shown in session 510, par. 0088 discloses that message can be copied from one session to another session, i.e. messages are transferred from one session to another session by user action of using user interface element 320 or 530 as shown in fig. 5 therefore messages are sent to two parallel messaging channel but message to each groups is not sent concurrently or action of sending message to two different message group is not done at the exact same time, but rather sent to first message group and later on same message is sent in parallel to third message group)**.**

Regarding claim 7, Apparatus according to claim 1,

Isensee further discloses, wherein said participants are capable of responding to said one of said messages (par. 0081, fig. 5 communication session 330, 510 shows that that other participant in message window can respond to the message from other participant).

Regarding claim 10, Apparatus according to claim 1,

Isensee further discloses, wherein responses to said one of said messages are displayed in a manner so that said responses are grouped together (par. 0076-077 fig. 4 discloses communication session 330, and section 410 where response from QA system having multiple messages that are grouped together (i.e. by separating from another message by having lines between messages as shown in element 330)).

Regarding claim 11, Apparatus according to claim 1,

Isensee further discloses, wherein messages are copyable between said one of said channels and said another of said channels (par. 0088 discloses that message can be copied from one session to another session)**.**

Regarding claim 12, Apparatus according to claim 1,

Isensee in view of Passmore further discloses, wherein said one of said participants inserts one or more characters in said one of said messages to indicate that said message is to be sent in parallel to said another one of said channels (**Passmore** par. 0041 discloses utilizing a SMS as text based messaging interface, such as instant messenger, also includes mobile devices, smartphones, i.e. SMS or instant messenger interface includes text entry bar in which user can enter the messages, **Passmore** par. 0060, fig. 40 discloses source channel and plurality destination channels 412 and 416 linked according user defined hash tags 404, and 406 (in this example "#911" is hash tag) text based messages 402 in source channel are automatically routed to channels 412 and 416, also see fig. 11 transmission of message

with identifier of channel for example identifier of channel being @oregon kvo123@ that causes the message to be sent to that channel).

Regarding claim 15, Apparatus according to claim 7,

Isensee further discloses, wherein said response is automatically initiated through software (par. 0076-007, fig. 4 discloses QA system is generating answer, which is a software generated answer).

Regarding claim 16, Apparatus according to claim 1,

Isensee further discloses, wherein said one of said participants indicates that said message is to be sent in parallel to said another one of said channels responsive to physical action by said one of said participants (par. 0064-0066, fig. 3-5 content of the message from one communication session may be automatically extracted and inserted into another communication session by user selecting user interface element (e.g. element 320, 430, 420 of fig. 4), thus providing mechanism for sharing of message between concurrent communication sessions, the use element may be output with each message, more recent message or the like giving option to have message copied over into another communication session, i.e. user indicates that the message to be sent in parallel to another communication session in response to user selecting (i.e. a physical action)).

Regarding claim 19, Isensee discloses, a method of providing display of exchanged messages (par. 0039, fig. 1-4 disclose client device 110 providing exchanged messages between participants)**, said method comprising the steps of:**

providing display of messages exchanged between a plurality of participants (par. 0067, fig. 3-5 discloses interface for message exchanged between plurality of users)**, said messages are exchanged within channels** (par. 0070, 0078 fig. 3-5 discloses user interface element 310 and 330 displaying messages exchanged between plurality of participants, each communication session window 310 and 330 between users = different channels)**, wherein:**

each of said participants exchanges messages with others of said participants in one or more channels in which message exchange between said plurality of participants (par. 0070, 0078 fig. 3-5 discloses user interface element 310 and 330 displaying messages exchanged between plurality of participants, here message exchanges between users are performed therefore it is authorized**);**

allowing one of said participants sending one of said messages in one of said channels to send said one of said messages in parallel to another one of said channels (par. 0081 fig. 5 discloses communication message copied from one communication session to another communication session, the content of the three sessions may be shared with any of the other communication sessions, in example of session 330 and 510 user “Sandra” is able send the same message in both session in parallel to each other)**.**

Isensee explicitly does not disclose, feature of authorizing message exchange between participants and preventing message exchanging between participants when message exchange is not authorized.

Passmore discloses, each of said participants exchanges messages with others of said participants in one or more channels in which message exchange between said plurality of participants is authorized (par. 0051 discloses chat channels permits/approves every members to send and receive messages),

any of said participants are prevented from exchanging messages in one or more channels when message exchange between said plurality of participants is not authorized (par. 0044 degrading sender's capacity to deliver messages by preventing the user from sending new share (i.e. another) messages until a predetermined time period is elapsed, par. 0051 discloses approve or deny messages from any members before rebroadcasting the messages to all members).

It would have been obvious to one of ordinary skill in the art before the effective filing date of the invention to modify Isensee, by teachings of authorizing participants to exchange messages and preventing participants from exchanging messages when message exchange between said plurality of participants is not authorized, to allow messaging system to filter and track the messages, as disclosed in **Passmore** par. 0006.

Regarding claim 20, Isensee in view of Passmore meets the claim limitations as set forth in claim 2.

6. Claims 6, 9, 13, 14, 17, and 18 are rejected under U.S.C. 103 as being unpatentable over Isensee et al. (US 20150088998), hereinafter as Isensee, in view of Passmore et al. (US 20120240062), hereinafter as Passmore, in further view of LEE (US 20130097260).

Regarding claim 6, Apparatus according to claim 1,

Isensee in view of Passmore does not disclose, wherein another of said participants receives said one of said messages and responds with a response so that only said one of said participants receives said response.

Lee discloses, wherein another of said participants receives said one of said messages and responds with a response so that only said one of said participants receives said response (par. 0081 fig. 8A discloses that in group messages recipient terminal sends the reply message only to the sender excluding other recipients of the group and reply message is only displayed to sender and the recipients that replied to the message, therefore reply message of one recipient is hidden from other recipients of the group message).

It would have been obvious to one of ordinary skill in the art before the effective filing date of the invention to modify the system of Isensee in view of **Passmore**, by teachings of recipient of the message response so that the only one of the participants receives the response, to efficiently manage messages among the large number of messages done with other participants, as disclosed in Lee par. 0004.

Regarding claim 9, Apparatus according to claim 7,

Isensee in view of Passmore does not disclose, wherein said response is initiated through physical interaction with a display that is displaying said messages.

Lee discloses, wherein said response is initiated through physical interaction with a display that is displaying said messages (par. 0041 discloses, a mobile terminal such as a smart phone or a cell phone may enable a user to exchange text messages with multiple recipients through a group message, i.e. smartphone requires physical interaction with display screen in order to initiate the response).

It would have been obvious to one of ordinary skill in the art before the effective filing date of the invention to modify the system of Isensee in view of Passmore, by teachings of the response is initiated through physical interaction with a display that is displaying the messages, for user to be able respond through mobile terminal by physical interaction with display screen, as disclosed in Lee par. 0004.

Regarding claim 13, Apparatus according to claim 1,

Isensee in view of Passmore does not disclose, wherein said one of said messages is visible in said one of said channels by only said one of said participants.

Lee discloses, wherein said one of said messages is visible in said one of said channels by only said one of said participants (par. 0081 fig. 8A discloses that in group messages recipient terminal sends the reply message only to the sender excluding other recipients of the group and reply message is only displayed to sender

and the recipient that replied to the message, therefore reply message of one recipient is hidden from other recipients of the group message)**.**

It would have been obvious to one of ordinary skill in the art before the effective filing date of the invention to modify the system of Isensee in view of Passmore, by teachings of messages are visible in the communication session by only one of the participants, to make the one on one communication with recipients and senders excluding other participants of messaging session, as disclosed in Lee par. 0081.

Regarding claim 14, Apparatus according to claim 1,

Isensee in view of Passmore does not disclose, wherein another of said participants receives said one of said messages and responds with a response which is sent to less than all of said plurality of participants.

Lee discloses, wherein another of said participants receives said one of said messages and responds with a response which is sent to less than all of said plurality of participants (par. 0081 fig. 8A discloses that in group messages recipient terminal sends the reply message only to the sender excluding other recipients of the group and reply message is only displayed to sender and the recipients that replied to the message, therefore reply message of one recipient is hidden from other recipients of the group message).

It would have been obvious to one of ordinary skill in the art before the effective filing date of the invention to modify the system of Isensee in view of Passmore, by teachings of participants responding with a response that is sent to less than the all the participants, for user to be able respond through one on one method at the time of

responding to exclude the other recipients of original message, as disclosed in Lee par. 0081.

Regarding claim 17, Apparatus according to claim 1,

Isensee in view of Passmore does not disclose, wherein ones of said messages from multiple channels are posted as a group to one or more of said channels.

Lee discloses, wherein ones of said messages from multiple channels are posted as a group to one or more of said channels (par. 0081, fig. 8A discloses one to one communication between user A and B and User A and C (i.e. messages from different channels) that are posted as group (see in fig. 8A the message from each user B and C are grouped and divided in separate section posted to user A's messaging interface (i.e. communication channel of user A).

It would have been obvious to one of ordinary skill in the art before the effective filing date of the invention to modify the system of Isensee in view of Passmore, by teachings of messages from multiple channels are posted as a group to the channels, for user to be able respond through one on one method at the time of responding to exclude the other recipients of original message, as disclosed in Lee par. 0081.

Regarding claim 18, Apparatus according to claim 17,

Isensee further discloses, wherein said ones of messages includes at last one or more responses to said one of said messages (par. 0076-007, fig. 4

discloses QA system is generating answer, which is response to the message sent by first user in for example, user "Sandra"**).**

7. Claim 8 is rejected under U.S.C. 103 as being unpatentable over Isensee et al. (US 20150088998), hereinafter as Isensee, in view of Passmore et al. (US 20120240062), hereinafter as Passmore, in further view of LEE (US 20140208402).

Regarding claim 8, Apparatus according to claim 1,

Isensee in view of Passmore further discloses, wherein said one of said participants receives a reply to said one of said messages while another of said participants is excluded from receiving said reply (Passmore par. 0081, 0104, fig. 8A discloses that in group messages recipient terminal sends the reply message only to the sender excluding other recipients of the group and reply message is only displayed to sender and the recipients that replied to the message, therefore reply message of one recipient is hidden from other recipients of the group message**), said one of said participants subsequently is permitted to reply with said participants** (**Passmore** par. 0104, fig. 8A 803 discloses replay message back from sender A, i.e. participants are permitted to reply to each other).

Isensee in view of Passmore does not disclose, participants subsequently is permitted to share message with said another of said participants.

WHITE discloses, participants subsequently is permitted to share message with said another of said participants (par. 0053 discloses control attribute that is assigned to the message by the sender to facilitate sender control over transmitted

message, attribute can be as disclosed in fig. 3, permit a recipient to forward message to another recipient).

It would have been obvious to one of ordinary skill in the art before the effective filing date of the invention to modify the system of Isensee in view of Passmore, by teachings of permitting to share message with another of the participants, to facilitate sender control over the transmitted message, as disclosed in **WHITE** par. 0005.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to AKSHAY DOSHI whose telephone number is (571)272-2736. The examiner can normally be reached on M-F 9:30 AM to 6:00 PM.

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, Benjamin Bruckart can be reached on (571)272-3982. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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For more information about the PAIR system, see https://ppair-my.uspto.gov/pair/PrivatePair. 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.

/A.D/
Examiner, Art Unit 2423

/BENJAMIN R BRUCKART/
Supervisory Patent Examiner, Art Unit 2423

Notice of References Cited	Application/Control No. 16/014,578	Applicant(s)/Patent Under Reexamination Cohen, Marc A.	
	Examiner AKSHAY DOSHI	Art Unit 2423	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
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*	B	US-20120240062-A1	09-2012	Passmore; Greg James	H04L51/32	715/758
*	C	US-20140208402-A1	07-2014	WHITE; Conor Robert	H04L63/08	726/5
	D					
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*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
	16/014,578	Cohen, Marc A.
	Examiner	**Art Unit**
	AKSHAY DOSHI	2423

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

CLAIMS

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

CLAIM		DATE								
Final	Original	01/16/2021								
	1	✓								
	2	✓								
	3	✓								
	4	✓								
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	16	✓								
	17	✓								
	18	✓								
	19	✓								
	20	✓								

Petitioners
Exh-1016, p. 216

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/014,578	Cohen, Marc A.
	Examiner	Art Unit
	AKSHAY DOSHI	2423

CPC - Searched*		
Symbol	Date	Examiner
H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/1069	01/16/2021	AD

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Search Notes		
Search Notes	Date	Examiner
Performed Provisional/Double Patenting search	01/16/2021	AD
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Doc code: IDS
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	16014578
Filing Date	2018-06-21
First Named Inventor	Marc COHEN
Art Unit	2423
Examiner Name	Akshay Doshi
Attorney Docket Number	W1186/20011

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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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	2	7945620		2011-05-17	BOU-GHANNAM et al.	
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	5	10009300		2018-06-26	COHEN et al.	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	16014578
	Filing Date	2018-06-21
	First Named Inventor	Marc COHEN
	Art Unit	2423
	Examiner Name	Akshay Doshi
	Attorney Docket Number	W1186/20011

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	Art Unit	2423
	Examiner Name	Akshay Doshi
	Attorney Docket Number	W1186/20011

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	First Named Inventor	Marc COHEN
	Art Unit	2423
	Examiner Name	Akshay Doshi
	Attorney Docket Number	W1186/20011

	1	BROWN, A. (2016). WhatsApp quietly introduced a brand-new way to reply to your messages. Express. Available online from https://www.express.co.uk/life-style/science-technology/679325/WhatsApp-How-To-Quote-Message-In-Reply-iOS-Android-Chat.	
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	Art Unit	2423
	Examiner Name	Akshay Doshi
	Attorney Docket Number	W1186/20011

CERTIFICATION STATEMENT

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

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

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☒ See attached certification statement.

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

A certification statement is not submitted herewith.

SIGNATURE

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

Signature	/Michael J. Cornelison/	Date (YYYY-MM-DD)	2019-09-24
Name/Print	Michael J. Cornelison	Registration Number	40395

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

PTO/SB/08a (01-10)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	16014578
Filing Date	2018-06-21
First Named Inventor	Marc A. COHEN
Art Unit	2423
Examiner Name	Doshi Akshay
Attorney Docket Number	W1186/20011

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Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	8832569		2014-09-09	Chen et al.	
	2	9262455		2016-02-16	Palay	
	3	9426102		2016-08-23	Wong et al.	
	4	9971500		2018-05-15	Yang et al.	
	5	9996248		2018-06-12	Park et al.	

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Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20060031361		2006-02-09	Bailey et al.	

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	Examiner Name	Doshi Akshay
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	2	20090094288		2009-04-09	Berry et al.	
	3	20100299599		2010-11-25	Shin et al.	
	4	20120198360		2012-08-02	Wanderski et al.	
	5	20140096033		2014-04-03	Blair	
	6	20140143684		2014-05-22	Oh et al.	
	7	20180159812		2018-06-07	Sarafa et al.	

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	1	"Top 50 Features of Slack to Boost Your Productivity", Blog.standuply.com, September 11, 2016, retrieved from: <https://blog.standuply.com/50-additional-features-of-slack-to-boost-your-productivity-959ee56f7893>, retrieved on December 11, 2019.	
	2	"How To Retweet With A Comment, aka Use The Life-Changing Feature Twitter Just Added," Bustle.com, April 7, 2015, retrieved from: URL<https://www.bustle.com/articles/74648-how-to-retweet-with-a-comment-aka-use-the-life-changing-feature-twitter-just-added>, retrieved on December 11, 2019.	
	3	"Narwhal: The Best Reddit Client-Apps (App Walkthrough," Corban Tech, December 16, 2016, retrieved from: URL<https://www.youtube.com/watch?v=78wgtwP1hKE>, (Video Submission), retrieved on December 11, 2019.	
	4	"WhatsApp Can Quote Messages You Want to Respond To," Engadget.com, June 2016, retrieved from: URL<https://www.engadget.com/2016/06/12/whatsapp-quote-messages/>, retrieved on December 11, 2019.	
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	12	"Share Messages in Slack: From Channels to Search - Learn How Slack Works From Top To Bottom!," Slack.com, retrieved from: URL<https://slack.com/help/articles/203274767-Share-messages-in-Slack>, retrieved on December 16, 2019.	
	13	"Free Open-Source Distributed Alternative to Twitter: Mastodon," T5 by Robin Good, October 10, 2016, retrieved from: URL<tools.robingood.com/site/contents/content/765621/2016-10-06/free-open-source-distributed-alternative-to-twitter-mastodon>, retrieved on December 11, 2019.	
	14	Written Opinion of related PCT Application No. PCT/US2018/13462 dated April 4, 2018.	
	15	International Search Report and Written Opinion for PCT Application No. PCT/U52018/13462 dated April 4, 2018.	

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Examiner Signature	/AKSHAY DOSHI/	Date Considered	01/16/2021

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	Art Unit	2423
	Examiner Name	Doshi Akshay
	Attorney Docket Number	W1186/20011

CERTIFICATION STATEMENT

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

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

A certification statement is not submitted herewith.

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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	/Michael J. Cornelison/	Date (YYYY-MM-DD)	2020-01-23
Name/Print	Michael J. Cornelison	Registration Number	40395

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Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (03-15)
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First Named Inventor	Marc COHEN
Art Unit	2423
Examiner Name	Akshay Doshi
Attorney Docket Number	W1186/20011

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	1	20140059040		2014-02-27	Cha et al.	

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Bibliographic Data

Application No: 16/014,578

Foreign Priority claimed: ○ Yes ◉ No

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

Verified and Acknowledged: /AKSHAY DOSHI/ Examiner's Signature | Initials

Title: PARALLEL MESSAGING APPARATUS AND METHOD THEREOF

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
06/21/2018	709	2423	W1186/20011
RULE			

APPLICANTS

Wrinkl, Inc., Sands Point, NY, UNITED STATES

INVENTORS

Marc A. Cohen, Blue Bell, PA, UNITED STATES

CONTINUING DATA

This application has PRO of 62666137 05/03/2018

This application is a CIP of 15858696 12/29/2017 PAT 10025475

15858696 has PRO of 62518905 06/13/2017

This application is a CIP of 15609663 05/31/2017 PAT 10009300

15858696 is a CIP of 15431077 02/13/2017 PAT 9860198

15431077 has PRO of 62446067 01/13/2017

15609663 is a CON of 15293620 10/14/2016 PAT 9712466

15293620 has PRO of 62358719 07/06/2016

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L12	16	(US-0031361-$ | US-0094288-$ | US-0096033-$ | US-0143684-$ | US-20060031361-$ | US-20090094288-$ | US-20140096033-$ | US-20140143684-$).DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/16 14:10
L13	2	(US-16014578-$ | US-20140059040-$).DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/16 14:11
L14	27	(US-16014578-$ | US-20060031361-$ | US-20090094288-$ | US-20100299599-$ | US-20120198360-$ | US-20140096033-$ | US-20140143684-$ | US-20180159812-$ | US-3262455-$ | US-3426102-$ | US-3832569-$ | US-3971500-$ | US-3996248-$ | US-9992319-$).DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/16 14:12
L15	43	(US-10009300-$ | US-10025475-$ | US-16014578-$ | US-20020095465-$ | US-20050198584-$ | US-20070185961-$ | US-20090119371-$ | US-20110047227-$ | US-20110289406-$ | US-20120017149-$ | US-20140040784-$ | US-20140067977-$ | US-20140195621-$ | US-20140219433-$ | US-20140298210-$ | US-20150188928-$ | US-20160179773-$ | US-20160294742-$ | US-20160330147-$ | US-20170163594-$ | US-3218603-$ | US-3712466-$ | US-3860198-$).DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/16 14:13
L16	5	(shar$5 near5 (DM private)) and slack.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/16 14:24

S7	1	"16014578" and (authorized same message).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/12/31 19:29
S8	2	"16014578" and ((authorized prevent$4) same message).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/12/31 19:30
S9	5	"16014578" and ((authorized prevent$4) same message)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/12/31 19:33
S10	2	("20050198584").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/12/31 21:09
S13	4,824	((message chat texting) near5 (instant window room bar)) with (participants users people receiver senders) with (filter$4 authorized permitted private public prevent$4 paid guest)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 00:19
S14	834	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/1069).cpc. and S13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 00:19
S15	4,651	((message chat texting) near5 (instant window room bar)) with (participants users people) with (filter$4 authorized permitted private public prevent$4 paid guest)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 00:19

S16	808	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/1069).cpc. and S15	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 00:32
S18	2,261	(((message chat texting) near5 (instant window room bar)) near10 (participants users people receiver senders)) with ((authorized permitted private public prevent$4 paid guest) near5 (message chat texting))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 00:36
S19	444	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/1069).cpc. and S18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 00:37
S22	330	(((display$5 present$4 output$4) near7(message chat texting) near5 (instant window room bar)) near10 (participants users people)) with ((authorized permitted private prevent$4) near5 (message chat texting))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 00:38
S23	53	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/1069).cpc. and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 00:40
S28	143	(((display$5 present$4 output$4) near7(message chat texting) near5 (instant window room bar)) near10 (participants users people)) with ((authorized permitted prevent$4) near5 (participants users people))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 00:58
S29	175	(((display$5 present$4 output$4) near7(messag$4 chat$4 texting) near5 (instant window room bar)) near10 (participants users people)) with ((authorized permitted prevent$4) near5 (participants users people))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 10:33

S30	143	(((display$5 present$4 output$4) near7(message chat texting) near5 (instant window room bar)) near10 (participants users people)) with ((authorized permitted prevent$4) near5 (participants users people))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 10:35
S31	32	S29 not S30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 10:35
S32	173	(((display$5 present$4 output$4) near7(messag$4 chat$4 texting) near5 (instant window room bar)) near10 (participants users people)) with ((authorized permitted prevent$4 disallowed prohibit$4 forbidden$4) near5 ((messag$4 chat$4 texting)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 10:42
S33	60	S32 not S29	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 10:43
S34	179	(((display$5 present$4 output$4) near7(messag$4 chat$4 texting) near5 (instant window room bar)) near10 (participants users people)) with ((authorized permitted prevent$4 disallowed prohibit$4 forbidden$4 mut$4) near5 ((messag$4 chat$4 texting)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 10:52
S35	21	(((display$5 present$4 output$4) near7(messag$4 chat$4 texting) near5 (instant window room bar)) near10 (participants users people)) with ((disallowed prohibit$4 forbidden$4 mut$4) near5 ((messag$4 chat$4 texting)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 10:52
S36	25	(((display$5 present$4 output$4 show$4 viewing) near7(messag$4 chat$4 texting) near5 (instant window room bar)) near10 (participants users people)) with ((disallowed prohibit$4 forbidden$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2021/01/02 13:57

		mut$4) near5 ((messag$4 chat$4 texting)))	DERWENT; IBM_TDB			
S37	32	(((display$5 present$4 output$4 show$4 viewing) near7(messag$4 chat$4 texting) near5 (instant window room bar channel))) with ((disallowed prohibit$4 forbidden$4 mut$4) near5 ((messag$4 chat$4 texting)) near10 (participants users people))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 14:14
S38	32	(((display$5 present$4 output$4 show$4 viewing) near7(messag$4 chat$4 texting) near5 (instant window room bar channel))) with ((disallowed prohibit$4 forbidden$4 mut$4) near5 ((messag$4 chat$4 texting)) near10 (participants users people memebrs))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 14:14
S40	25	(((display$5 present$4 output$4 show$4 viewing) near7(messag$4 chat$4 texting) near5 (instant window room bar)) near10 (participants users people)) with ((disallowed prohibit$4 forbidden$4 mut$4) near5 ((messag$4 chat$4 texting)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 14:58
S41	32	(((display$5 present$4 output$4 show$4 viewing) near7(messag$4 chat$4 texting) near5 (instant window room bar channel))) with ((disallowed prohibit$4 forbidden$4 mut$4) near5 ((messag$4 chat$4 texting)) near10 (participants users people memebrs))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 14:58
S42	7	S41 not S40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 14:58
S44	43	(((display$5 present$4 output$4 show$4 viewing) near7(messag$4 chat$4 texting) near5 (instant window room bar channel))) and ((disallowed prohibit$4 forbidden$4 mut$4) near5 ((messag$4 chat$4 texting)) near10 (all any every each) near10 (participants users people memebrs))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 15:14

S45	42	S44 not S41	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 15:19
S47	172	(((display$5 present$4 output$4 show$4 viewing) near7(messag$4 chat$4 texting) near5 (instant window room bar channel))) and ((disallowed prohibit$4 forbidden$4 mut$4 prevent$5) near5 ((messag$4 chat$4 texting)) near10 (all any every each) near10 (participants users people memebrs))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 13:25
S48	32	(((display$5 present$4 output$4 show$4 viewing) near7(messag$4 chat$4 texting) near5 (instant window room bar channel))) with ((disallowed prohibit$4 forbidden$4 mut$4) near5 ((messag$4 chat$4 texting)) near10 (participants users people memebrs))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 13:25
S49	171	S47 not S48	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 13:25
S51	172	(((display$5 present$4 output$4 show$4 viewing) near7(messag$4 chat$4 texting) near5 (instant window room bar channel))) and ((disallowed prohibit$4 forbidden$4 mut$4 prevent$5) near5 ((messag$4 chat$4 texting)) near10 (all any every each) near10 (participants users people memebrs))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 15:50
S52	32	(((display$5 present$4 output$4 show$4 viewing) near7(messag$4 chat$4 texting) near5 (instant window room bar channel))) with ((disallowed prohibit$4 forbidden$4 mut$4) near5 ((messag$4 chat$4 texting)) near10 (participants users people memebrs))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 15:50
S53	171	S51 not S52	US-PGPUB; USPAT;	OR	ON	2021/01/04 15:50

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S54	4,614	((messag$5 chat$3 conversation talk discussion) near5 (channel room group window box interface)) and ((send$5 transfer$4 forward$4) near6 (messag$5 chat$3 conversation talk discussion) near8 ((multiple plurality) near5 (group window box interface room channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 15:50
S55	11	S54 and S53	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 15:50
S56	259	(((display$5 present$4 output$4 show$4 viewing) near7(messag$4 chat$4 texting) near5 (instant window room bar channel interface))) and ((disallowed prohibit$4 forbidden$4 mut$4 prevent$5) near5 ((messag$4 chat$4 texting)) near10 (all any every each) near10 (participants users people memebrs))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 15:55
S57	259	(((display$5 present$4 output$4 show$4 viewing preview$4) near7(messag$4 chat$4 texting) near5 (instant window room bar channel interface))) and ((disallowed prohibit$4 forbidden$4 mut$4 prevent$5) near5 ((messag$4 chat$4 texting)) near10 (all any every each) near10 (participants users people memebrs))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 15:55
S58	12	S54 and S57	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 15:58
S59	798	((disallowed prohibit$4 forbidden$4 mut$4 prevent$5) near5 ((messag$4	US-PGPUB; USPAT;	OR	ON	2021/01/04 15:59

		chat$4 texting)) near10 (all any every each) near10 (participants users people memebrs))	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S60	14	S54 and S59	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 16:00
S61	3	S60 not S55	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 16:00
S62	16	((send$5 transfer$4 forward$4) near6 (messag$5 chat$3 conversation talk discussion) near8 ((multiple plurality) near5 (group window box interface room channel))) and S59	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 16:01
S63	16	((send$5 transfer$4 forward$4) near6 (messag$5 chat$3 conversation talk discussion) near8 ((multiple plurality two parallel) near5 (group window box interface room channel))) and S59	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 16:02
S64	827	((disallowed prohibit$4 forbidden$4 mut$4 prevent$5) near5 ((messag$4 chat$4 texting)) near10 (all any every each entire) near10 (participants users people memebrs))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 16:03
S65	19	((send$5 transfer$4 forward$4) near6 (messag$5 chat$3 conversation talk discussion) near8 ((multiple plurality two parallel) near5 (group window box interface room channel))) and S64	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 16:04
S66	14	S65 and S60	US-PGPUB; USPAT; USOCR;	OR	ON	2021/01/04 16:05

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S67	5	S65 not S60	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 16:06
S68	114	((disallowed prohibit$4 forbidden$4 mut$4 prevent$5) near5 ((messag$4 chat$4 texting)) near10 (participants users people memebrs)) and ((send$5 transfer$4 forward$4) near6 (messag$5 chat$3 conversation talk discussion) near8 ((multiple plurality two parallel) near5 (group window box interface room channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/05 10:35
S69	5	("20050201559" | "20100105430").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/05 14:15
S70	165	((disallowed prohibit$4 forbidden$4 mut$4 prevent$5) near5 ((messag$4 chat$4 texting communicat$5)) near10 (participants users people memebrs)) and ((send$5 transfer$4 forward$4) near6 (messag$5 chat$3 conversation talk discussion) near8 ((multiple plurality two parallel) near5 (group window box interface room channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/12 22:50
S71	114	((disallowed prohibit$4 forbidden$4 mut$4 prevent$5) near5 ((messag$4 chat$4 texting)) near10 (participants users people memebrs)) and ((send$5 transfer$4 forward$4) near6 (messag$5 chat$3 conversation talk discussion) near8 ((multiple plurality two parallel) near5 (group window box interface room channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/12 22:56
S72	51	S70 not S71	US-PGPUB; USPAT;	OR	ON	2021/01/12 22:56

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S73	24	(US-20160261537-$ or US-20150319203-$ or US-20150099491-$ or US-20090177978-$ or US-20130185363-$ or US-20090125594-$ or US-20150256353-$ or US-20190036854-$ or US-20180139590-$ or US-20170373868-$ or US-20170078858-$ or US-20160241494-$ or US-20130268603-$ or US-20030084167-$ or US-20140149522-$ or US-20120240062-$ or US-20120296987-$ or US-20100325112-$ or US-20080263204-$).did. or (US-9374327-$ or US-8990329-$ or US-8103960-$ or US-8495660-$ or US-9026601-$).did.	US-PGPUB; USPAT	OR	ON	2021/01/12 23:31
S74	24	(US-20160261537-$ or US-20150319203-$ or US-20150099491-$ or US-20090177978-$ or US-20130185363-$ or US-20090125594-$ or US-20150256353-$ or US-20190036854-$ or US-20180139590-$ or US-20170373868-$ or US-20170078858-$ or US-20160241494-$ or US-20130268603-$ or US-20030084167-$ or US-20140149522-$ or US-20120240062-$ or US-20120296987-$ or US-20100325112-$ or US-20080263204-$).did. or (US-9374327-$ or US-8990329-$ or US-8103960-$ or US-8495660-$ or US-9026601-$).did.	US-PGPUB; USPAT	OR	ON	2021/01/12 23:57

S75	22	((disallowed prohibit$4 forbidden$4 mut$4 prevent$5) near5 ((messag$4 chat$4 texting))) and S74	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/12 23:58
S76	14	S75 and ((multiple plurality two parallel) near5 (group window box interface room channel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/12 23:58
S77	0	(admin$5 near10 (disallowed prohibit$4 forbidden$4 mut$4 prevent$5 stop$5) near5 ((messag$4 chat$4 texting))) and S74	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 00:18
S78	0	((administrator admin) near10 (disallowed prohibit$4 forbidden$4 mut$4 prevent$5 stop$5) near5 ((messag$4 chat$4 texting))) and S74	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 00:19
S79	806	((administrator admin) near10 (disallowed prohibit$4 forbidden$4 mut$4 prevent$5 stop$5) near5 ((messag$4 chat$4 texting)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 00:19
S80	12	S79 and ((send$5 transfer$4 forward$4) near6 (messag$5 chat$3 conversation talk discussion) near8 ((multiple plurality two parallel) near5 (group window box interface room channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 00:20
S82	14,372	((time duration) near10 (disallowed prohibit$4 forbidden$4 mut$4 prevent$5 stop$5) near5 ((messag$4 chat$4 texting)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 00:25

S83	149	S82 and ((send$5 transfer$4 forward$4) near6 (messag$5 chat$3 conversation talk discussion) near8 ((multiple plurality two parallel) near5 (group window box interface room channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 00:26
S84	8	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/1069).cpc. and S83	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 00:27
S85	39	(H04L51/$ or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/1069).cpc. and S83	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 00:29
S86	110	S83 not S85	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 00:50
S87	171	S82 and ((send$5 transfer$4 forward$4) near6 (messag$5 chat$3 conversation talk discussion) near8 ((multiple plurality two parallel simultaneous$4 concurrent$4) near5 (group window box interface room channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 00:54
S88	43	(H04L51/$ or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/$).cpc. and S87	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 00:56
S89	44	S88 not17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 00:57

S90	4	S88 not S85	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 00:57
S96	314	((send$5) near6 (text messag$5 chat$3) near8 ((multiple plurality two) near10 (parallel simultaneous$4 concurrent$4) near5 (group window box interface room channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:12
S97	41	(H04L51/$ or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/1069).cpc. and S96	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:13
S98	42	(H04L51/$ or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/$).cpc. and S96	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:13
S99	5	((text messag$5 chat$3) near8 (hash) near9 ((multiple plurality two) near10 (parallel simultaneous$4 concurrent$4) near5 (group window box interface room channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:26
S100	57	((text messag$5 chat$3) near8 (hash) near9 ((multiple plurality two) near10 (parallel simultaneous$4 concurrent$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:28
S101	259	((text messag$5 chat$3) near8 (hash) near9 (parallel simultaneous$4 concurrent$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:32

S102	5	(H04L51/$ or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/$).cpc. and S101	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:32
S103	54	((messag$5 chat$3 conversation talk discussion) near5 (channel room group window box interface)) and S101	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:33
S104	54	((messag$5 chat$3 conversation talk discussion tweet) near5 (channel room group window box interface)) and S101	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:46
S110	1,886	(shar$5 near6 (text messag$5 chat$3 twit$4) near8 (parallel simultaneous$4 concurrent$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:49
S111	1,182	((messag$5 chat$3 conversation talk discussion tweet) near5 (channel room group window box interface)) and S110	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:50
S117	11	(hash near3 tag) near5 (message) near10 (plurality multiple) near4 (recipient group users receiver people person members)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 21:09
S118	11	(hash near3 tag) near5 (message) near10 (plurality multiple simultaneous$3 concurrent$5 several) near4 (recipient group users receiver people person members)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 21:14

S119	104	(hash) near5 (message) near10 (plurality multiple simultaneous$3 concurrent$5 several) near4 (recipient group users receiver people person members)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 21:14
S120	23,675	(send$4 transmit$5) near5 (text message) near10 (plurality multiple simultaneous$3 concurrent$5 several) near4 (recipient group users receiver people person members)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 21:22
S121	25,421	(send$4 transmit$5 transfer$4 forward$4) near5 (text message) near10 (plurality multiple simultaneous$3 concurrent$5 several) near4 (recipient group users receiver people person members)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 21:23
S122	22,540	(send$4 transmit$5 transfer$4 forward$4) near5 (text message) near10 ((plurality multiple simultaneous$3 concurrent$5 several) near5 (recipient group users receiver people person members))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 21:23
S123	2,120	((hash tag) near5 (text message)) and S122	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 21:24
S124	1,616	((message chat texting) near5 (group instant window room interface)) and S123	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 21:26
S125	1,616	((message chat$4 texting) near5 (group instant window room interface)) and S123	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 21:26

S126	852	(send$4 transmit$5 transfer$4 forward$4) near5 (text message) near10 ((plurality multiple several) near5 (recipient group users receiver people person members)) near10 (simultaneous$3 concurrent$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 21:27
S127	55	((hash tag) near5 (text message)) and S126	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 21:28
S128	4	(cc) near5 (text message) near10 ((plurality multiple several) near5 (recipient group users receiver people person members)) near10 (simultaneous$3 concurrent$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:11
S129	23	(cc "cc:" copy) near5 (text message) near10 ((plurality multiple several additional) near5 (recipient group users receiver people person members)) near10 (simultaneous$3 concurrent$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:12
S130	6	(cc "cc:" copy) near5 (text message) near10 ((plurality multiple several additional) near5 (window session interface group)) near10 (simultaneous$3 concurrent$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:23
S131	265	(send$4 transmit$5 transfer$4 forward$4) near5 (text message) near10 ((plurality multiple several) near5 ((window session interface group))) near10 (simultaneous$3 concurrent$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:24
S132	274	(send$4 transmit$5 transfer$4 forward$4) near5 (text message) near10 ((plurality multiple several additional) near5 ((window session interface group))) near10 (simultaneous$3 concurrent$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:25

S133	227	((message chat$4 texting) near5 (group instant window room interface)) and S132	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:26
S134	229	((messag$4 chat$4 texting) near5 (group instant window interface)) and S132	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:27
S135	163	((messag$4 chat$4 texting) near2 (group instant window interface)) and S132	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:29
S136	274	(send$4 transmit$5 transfer$4 forward$4) near5 (text message) near10 ((plurality multiple several additional another) near5 ((window session interface group))) near10 (simultaneous$3 concurrent$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:46
S137	25	((hash tag) near5 (text message)) and S136	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:49
S138	1,152	(send$4 transmit$5 transfer$4 forward$4) near5 (text message) near10 ((simultaneous$3 concurrent$5) near5 ((window session interface group)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:50
S139	56	((hash tag) near5 (text message)) and S138	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:51

S140	343	(cc "cc:" copy) near5 (text message) near10 ((plurality multiple several additional) near5 (window session interface group channel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:58
S141	204	((messag$4 chat$4 texting) near2 (group instant window interface)) and S140	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:58
S142	38	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/1069).cpc. and S141	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:59
S143	21	(send$4 transmit$5 transfer$4 forward$4) near5 (text message) near10 ((plurality multiple several additional another) near5 ((window session interface group user recepient))) near6 ((including adding attaching) near3 (tag character symbole name ID idetentifier hash))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/15 13:29
S144	110	(send$4 transmit$5 transfer$4 forward$4 copy cc "cc:") near5 (text message chat) near10 ((plurality multiple several additional another parallel simultaneous$3 concurrent$5) near5 ((window session interface group user recipient))) near6 ((including adding attaching) near3 (tag character symbol name ID identifier hash))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/15 14:08
S145	58	S144 and ((type input$4 enter$4) near5 (message text))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/15 14:10
S146	4	"20130097260"	US-PGPUB; USPAT; USOCR;	OR	ON	2021/01/15 15:15

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S147	7,980,632	"20190121518" and social network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/15 15:59
S148	2	"20190121518" and (social near3 network)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/15 15:59
S149	3	"14037470"	USPAT	OR	ON	2021/01/15 19:49
S150	6	"14037470"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/15 19:49
S151	163	shar$5 near5 (messages chat) near5 ((multiple plurality) near2 (group channel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/15 22:53
S152	106	((messag$4 chat$4 texting) near5 (group instant window room interface)) and S151	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/15 22:54
S153	29	(privat$5 near5 (chat message)) near5 shar$5 near10 ((other remaining rest) near5 (users members recipients participants))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/15 23:15

S154	0	(privat$5 near5 (reply)) near5 shar$5 near10 ((other remaining rest) near5 (users members recipients participants))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/15 23:33
S155	33	(US-20160261537-$ or US-20150319203-$ or US-20150099491-$ or US-20090177978-$ or US-20130185363-$ or US-20090125594-$ or US-20150256353-$ or US-20190036854-$ or US-20180139590-$ or US-20170373868-$ or US-20170078858-$ or US-20160241494-$ or US-20130268603-$ or US-20030084167-$ or US-20140149522-$ or US-20120240062-$ or US-20120296987-$ or US-20100325112-$ or US-20080263204-$ or US-20090059922-$ or US-20180239753-$ or US-20160253315-$ or US-20130097260-$ or US-20140096033-$ or US-20190121518-$).did. or (US-9374327-$ or US-8990329-$ or US-8103960-$ or US-8495660-$ or US-9026601-$ or US-10848445-$ or US-10193844-$ or US-10878478-$).did.	US-PGPUB; USPAT	OR	ON	2021/01/16 10:13
S156	16	repl$4 and S155	US-PGPUB; USPAT	OR	ON	2021/01/16 10:19
S157	44	send$4 near5 (private) near8 (chat message e-mail) near8 (other all every each) near6 (users members recipients participants)	US-PGPUB; USPAT	OR	ON	2021/01/16 10:33
S158	52	(transmission transmitting send$4 sent) near5 (private) near8 (chat message e-mail) near8 (other all every each) near6 (users members recipients participants)	US-PGPUB; USPAT	OR	ON	2021/01/16 11:11
S159	207	(reply$4) near6 (chat message e-mail) near8 (other all every each) near6 (users members recipients participants)	US-PGPUB; USPAT	OR	ON	2021/01/16 11:33

S160	203	S159 not S158	US-PGPUB; USPAT	OR	ON	2021/01/16 11:34

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	3	Cohen.in. and (message same participants same channels).clm.	US-PGPUB; USPAT	OR	ON	2021/01/16 13:46
L7	4	Cohen.in. and (message same participants same authorized).clm.	US-PGPUB; USPAT	OR	ON	2021/01/16 13:46
L8	1	Cohen.in. and (exchang$ same message same participants same authorized).clm.	US-PGPUB; USPAT	OR	ON	2021/01/16 13:46
L9	4	Cohen.in. and (exchang$ same message same participants same prevent$4).clm.	US-PGPUB; USPAT	OR	ON	2021/01/16 13:47
L10	6	Cohen.in. and (participants same prevent$4).clm.	US-PGPUB; USPAT	OR	ON	2021/01/16 13:47
L11	15	Cohen.in. and ((disallowed prohibit$4 forbidden$4 mut$4 prevent$5 stop$5) same message same (transmission exchang$4 shar$4)).clm.	US-PGPUB; USPAT	OR	ON	2021/01/16 13:48

1/16/2021 2:36:15 PM
C:\Users\adoshi1\Documents\EAST\Workspaces\16014578_1.wsp

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT EXAMINING OPERATION

Inventor: Marc A. COHEN

Application Serial No.: 16/014,578 Group Art Unit: 2423

Filed: June 21, 2018 Examiner: Akshay Doshi

Attorney Docket No.: W1186/20011 Confirmation No.: 7094

For: PARALLEL MESSAGING APPARATUS AND METHOD THEREOF

AMENDMENT

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

Sir:

INTRODUCTORY COMMENTS

Responsive to the Office Action dated February 2, 2021, 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 **10** of this paper.

- The Commissioner for Patents is hereby authorized to charge payment for any additional fee which may be required or to credit any overpayment to Deposit Account No. **03-0075.**

- Any response in this application requiring a petition for extension of time, but failing to include one, should be treated as though it does include the required petition for extension of time.

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior version, and listing, of claims in the application.

Listing of Claims:

1. (Currently Amended) Apparatus for providing display of exchanged messages, said apparatus comprising:

a memory for storing said messages; and

at least one processor for:

providing display of said messages exchanged between a plurality of participants, said messages are exchanged within channels, said channels include a first channel with a first message stream and a second channel with a second message stream, wherein ~~text to be~~ included in a first of said messages is received into a text entry bar from a first of said participants while in said first channel;

receiving a designation from said first of said participants, prior to said first of said messages being transmitted in said first channel, that said first of said messages is to be transmitted in said second channel;

transmitting said ~~each of said participants exchanges~~ first of said messages a) in said first message stream in said first ~~with others of said participants in one or more~~ channels, ~~in which message exchange between said plurality of participants is authorized, and any of said participants are prevented from exchanging messages in one or more~~ and b) in said second message stream in said second channels ~~when message exchange between said plurality of participants is not authorized~~ after receiving said designation so that said first of said messages appears in said first message stream and said second message stream;

providing an indication in at least one of said first channel or said second channel that said first of said messages was transmitted in both said first channel and said second channel;

allowing a second~~one~~ of said participants while ~~sending one of said messages~~ in ~~one of~~ said first channel ~~channels~~ and a ~~to send said one of said messages in parallel to another one of said channels~~ third of said participants while in said second channel to reply to said first of said messages.

2. (Cancelled).

3. (Cancelled).

4. (Cancelled).

5. (Cancelled).

6. (Currently Amended) Apparatus according to claim 1, wherein ~~another of~~ said second of said participants receives said first ~~one~~ of said messages and ~~responds~~replies with a response ~~so~~ that is visible to only said ~~one~~ first of said participants and said second of said participants~~receives said response~~.

7. (Cancelled).

8. (Cancelled).

9. (Currently Amended) Apparatus according to claim ~~1~~7, wherein ~~said response~~replying to said first of said message is initiated through physical interaction with a display that is displaying said first of said messages.

10. (Currently Amended) Apparatus according to claim ~~1~~4, wherein said second of said participants replies with a first response, a fourth of said participants replies to said first of said messages in said first channel with a second response, and wherein said first response and said second response are~~wherein responses to said one of said messages are~~ displayed in a manner so that said first responses and said second response are grouped together in said first channel.

11. (Cancelled).

12. (Currently Amended) Apparatus according to claim 1, wherein said designation is performed by said first ~~one~~ of said participants inserting one or more characters in said first~~one~~

of said messages to indicate that said first of said messages is to be sent ~~in parallel~~ to said first~~another one of said~~ channels and to said second channel.

13. (Cancelled).

14. (Currently Amended) Apparatus according to claim 1, wherein ~~another of~~when said second of said participants replies with a third response, said third response is visible ~~receives said one of said messages and responds with a response which is sent to~~ to not all but less than all of said plurality of participants that participate in said first channel.

15. (Cancelled).

16. (Currently Amended) Apparatus according to claim 1, wherein said ~~one~~ first of said participants indicates with physical action that said first of said messages is to be ~~sent in parallel~~transmitted to ones of said channels that includes said first~~another one of said~~ channels and said second channel ~~responsive to physical action by said one of said participants~~.

17. (Cancelled).

18. (Cancelled).

19. (Currently Amended) A method of providing display of exchanged messages, said method comprising the steps of:

providing display of said messages exchanged between a plurality of participants, said messages are exchanged within channels, said channels include a first channel with a first message stream and a second channel with a second message stream, wherein text to be included in a first of said messages is received into a text entry bar from a first of said participants while in said first channel;

receiving a designation from said first of said participants, prior to said first of said messages being transmitted in said first channel, that said first of said messages is to be transmitted in said second channel;

transmitting said ~~each of said participants exchanges~~ first of said messages a)in said first message stream in said first ~~with others of said participants in one or more channels~~channel; ~~in which message exchange between said plurality of participants is authorized; and any of said participants are prevented from exchanging messages in one or more~~and b) in said second message stream in said second channel ~~channels when message exchange between said plurality of participants is not authorized~~ after receiving said designation so that said first of said messages appears in said first message stream and said second message stream.;

providing an indication in at least one of said first channel or said second channel that said first of said messages was transmitted in both said first channel and said second channel;

allowing a second~~one~~ of said participants while ~~sending one of said messages~~ in ~~one of~~ said first channel ~~channels~~ and a ~~to send said one of said messages in parallel to another one of said channels~~ third of said participants while in said second channel to reply to said first of said messages.

20. (Cancelled).

21. (Newly Added) Apparatus according to claim 1, wherein said first of said participants is authorized to participate in said first channel and said second channel as a condition of transmitting said first of said messages in said first channel and said second channel.

22. (Newly Added) Apparatus according to claim 1, wherein responsive to physical interaction with a screen providing said display of said messages, said first channel and said second channel are identified as having transmitted therein said first of said messages and said second of said messages.

23. (Newly Added) Apparatus according to claim 1, wherein when said second of said participants replies with a third response to said first of said messages in said first channel, said third response is also transmitted in said second channel.

24. (Newly Added) Apparatus according to claim 1, wherein
said second of said participants replies in said first channel with a first response,

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said third of said participants replies in said second channel with a second response,

said first response is visible in said first channel and is prevented from being displayed in said second channel;

said second response is visible in said second channel and is prevented from being displayed in said first channel.

25. (Newly Added) Apparatus according to claim 1, wherein at least one of said third of said participants is specified by said first of said participants as being authorized to receive said first of said messages; or a fourth participant included in said second channel that is not authorized to receive said first of said messages is prevented from viewing said first of said messages.

26. (Newly Added) Apparatus according to claim 1, wherein said first of said messages is transmitted in said first channel by default.

27. (Newly Added) Apparatus according to claim 1, wherein said first of said messages is transmitted in said first channel after said first of said participants selects said first channel for transmitting said first of said messages.

28. (Newly Added) Apparatus according to claim 1, wherein all but said first of said participants is prevented from receiving said first of said message in said first channel.

29. (Newly Added) Apparatus according to claim 1, wherein receiving said designation includes identifying said second channel as being where said first of said messages is to be transmitted.

30. (Newly Added) Apparatus according to claim 1, wherein said indication is provided in said first channel and said second channel.

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31. (Newly Added) A method according to claim 19, wherein said second of said participants receives said first of said messages and replies with a response that is visible to only said first of said participants and said second of said participants.

32. (Newly Added) A method according to claim 19, wherein replying to said first of said message is initiated through physical interaction with a display that is displaying said first of said messages.

33. (Newly Added) A method according to claim 19, wherein said second of said participants replies with a first response, a fourth of said participants replies to said first of said messages in said first channel with a second response, and wherein said first response and said second response are displayed in a manner so that said first response and said second response are grouped together in said first channel.

34. (Newly Added) A method according to claim 19, wherein said designation is performed by said first of said participants inserting one or more characters in said first of said messages to indicate that said first of said messages is to be sent to said first channel and to said second channel.

35. (Newly Added) A method according to claim 19, wherein when said second of said participants replies with a third response, said third response is visible to not all but less than all of said plurality of participants that participate in said first channel.

36. (Newly Added) A method according to claim 19, wherein said first of said participants indicates with physical action that said first of said messages is to be transmitted to ones of said channels that includes said first channel and said second channel.

37. (Newly Added) A method according to claim 19, wherein said first of said participants is authorized to participate in said first channel and said second channel as a condition of transmitting said first of said messages in said first channel and said second channel.

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38. (Newly Added) A method according to claim 19, wherein responsive to physical interaction with a screen providing said display of said messages, said first channel and said second channel are identified as having transmitted therein said first of said messages and said second of said messages.

39. (Newly Added) A method according to claim 19, wherein when said second of said participants replies with a third response to said first of said messages in said first channel, said third response is also transmitted in said second channel.

40. (Newly Added) A method according to claim 19, wherein:

said second of said participants replies in said first channel with a first response,

said third of said participants replies in said second channel with a second response,

said first response is visible in said first channel and is prevented from being displayed in said second channel;

said second response is visible in said second channel and is prevented from being displayed in said first channel.

41. (Newly Added) A method according to claim 19, wherein at least one of said third of said participants is specified by said first of said participants as being authorized to receive said first of said messages; or a fourth participant included in said second channel that is not authorized to receive said first of said messages is prevented from viewing said first of said messages.

42. (Newly Added) A method according to claim 19, wherein said first of said messages is transmitted in said first channel by default.

43. (Newly Added) A method according to claim 19, wherein said first of said messages is transmitted in said first channel after said first of said participants selects said first channel for transmitting said first of said messages.

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44. (Newly Added) A method according to claim 19, wherein all but said first of said participants is prevented from receiving said first of said message in said first channel.

45. (Newly Added) A method according to claim 19, wherein receiving said designation includes identifying said second channel as being where said first of said messages is to be transmitted.

46. (Newly Added) A method according to claim 19, wherein said indication is provided in said first channel and said second channel.

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REMARKS/ARGUMENTS

Claims 1 – 20 were originally presented for examination. Claims 1 – 20 were rejected based on non-obviousness double patenting, and based on the prior art references Isensee (US 20150088998) and Passmore (US 20120240062).

Applicant is responding to the present Office Action by cancelling claims 2 – 5, 7 – 8, 11, 13, 15, 17 – 18, and 20, and by adding new claims 21 – 46. Below is a table showing the "correspondence" between apparatus and method claims, and for providing support for each pending claim with regard to one or more exemplary embodiments of the present invention.

Apparatus Claim	**Support ****	**Method Claim**
1	Fig. 11A-D, 18B, 17A, 15A. Paragraphs 0148, 0149, 0152, 0157, 0159, 0188, 0198, 0201,0203	19
2	Cancelled	
3	Cancelled	
4	Cancelled	
5	Cancelled	
6	Fig. 17A, Paragraphs 0195, 0203	31
7	Cancelled	
8	Cancelled	
9	Fig. 11C-D, Paragraphs 0157, 0158	32

Apparatus Claim	Support **	Method Claim
10	Fig. 17B, Paragraph 0199	33
11	Cancelled	
12	Fig. 11A, Paragraph 0152	34
13	Cancelled	
14	Fig. 17A, Paragraph 0195	35
15	Cancelled	
16	Figs 16B, 18B, Paragraph 0191 and 0201	36
17	Cancelled	
18	Cancelled	
20	Cancelled	
21	Fig. 11A, Paragraph 0154	37
22	Fig. 16D, Paragraph 0194	38
23	Paragraph 0196	39
24	Paragraph 0207	40
25	Fig. 18B, Paragraph 0201	41

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Apparatus Claim	Support **	Method Claim
26	Fig. 11A, Paragraphs 0149, 0151	42
27	Fig. 11B, Paragraph 0155	43
28	Paragraph 0160	44
29	Figs. 11C, 15A, 18B	45
30	Fig. 11A	46

** Paragraph numbers refer to paragraph numbers in the published application.

The present application generally relates to a group messaging system, such as the group messaging systems provided by Slack, Microsoft Teams, Facebook Messenger and Apple Messages. In some exemplary situations, it is useful for a user of a messaging system to be able to transmit a ("first") message in multiple message channels. Thus, the "first" message is transmitted in a "first" channel and in a "second" channel. At least one participant in the first channel and at least another participant in the second channel can reply to the first message. The second channel is designated before the message is transmitted in the first channel.

The above features are illustrated through one or more exemplary embodiments of the present invention that is illustrated, for example, by Fig. 11A-D, FIG. 15A, Fig. 17A, and Fig. 18B of the originally filed application. The contents of the figures will now be described in order to facilitate examination of the present application. This description is for illustrative purposes only, and should not be considered as limitations on the scope of Applicant's claims.

Fig. 11A shows screen shot 1101, 1102, 1103 and 1104 where a plurality of participants are exchanging messages in Channel A, Channel B and Channel C. Screen shot 1101 also shows a text entry bar (shown in this example in the box at the bottom of screen shot 1101) in which text is entered by a "first" participant while in Channel A:

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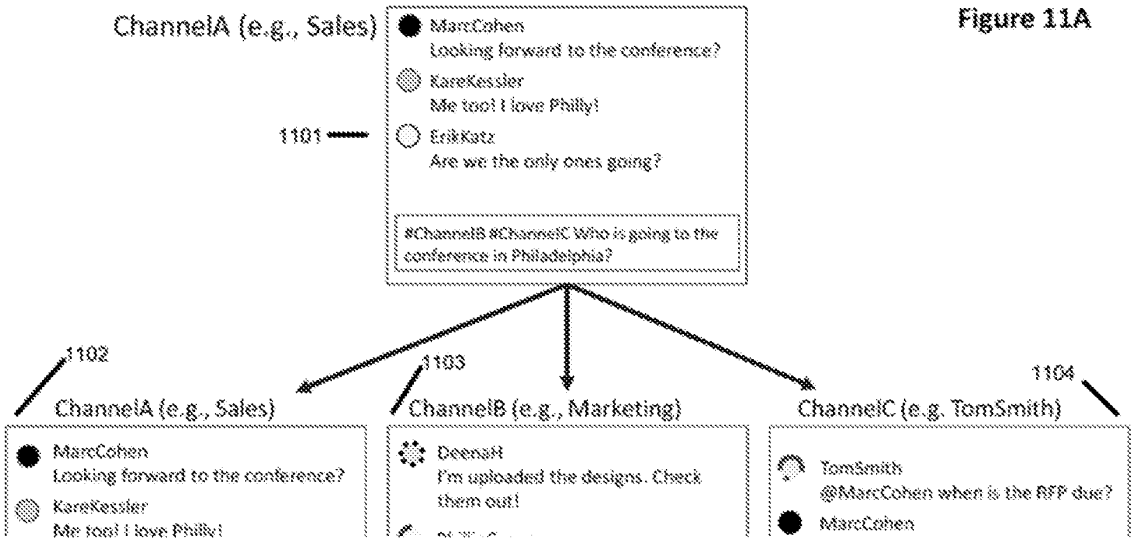
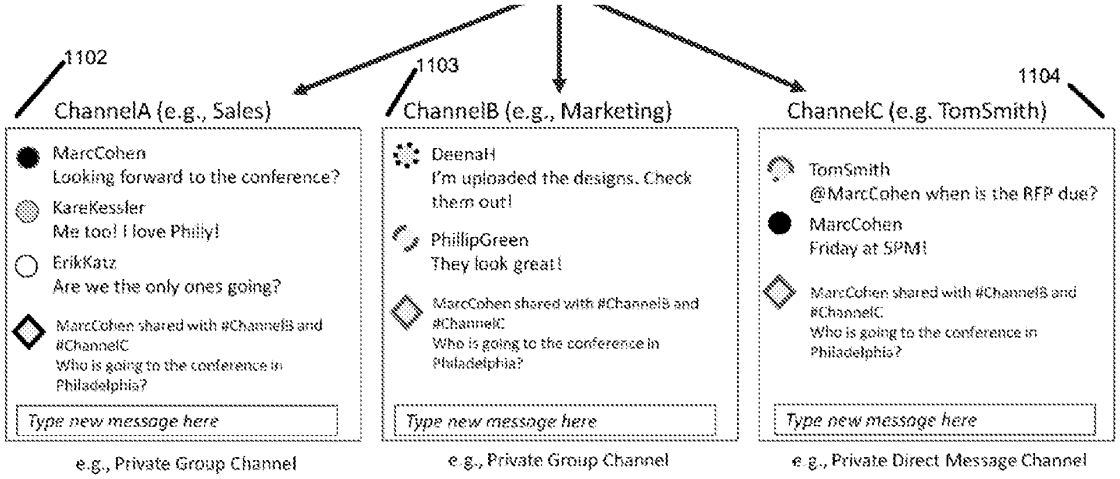


Figure 11A

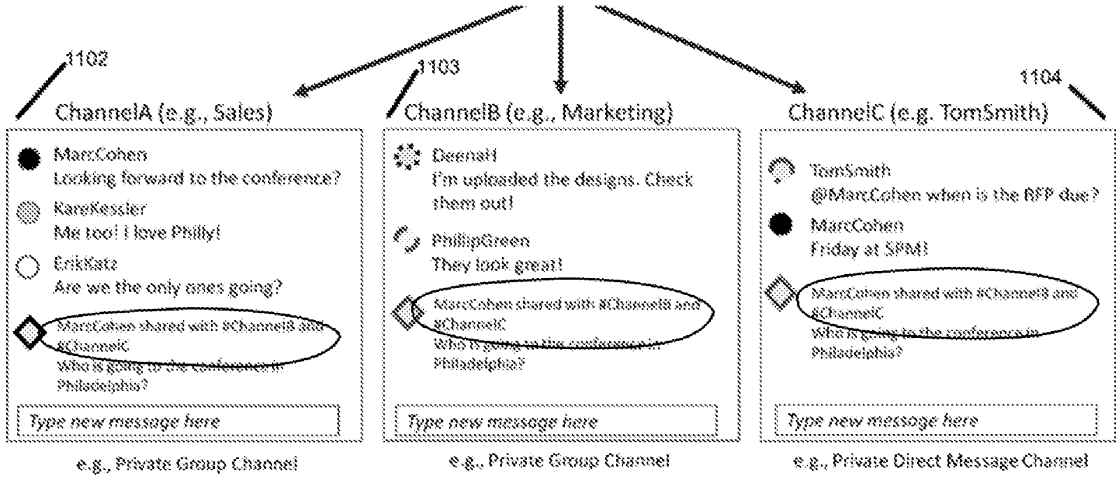
Before a "first" participant transmits a "first" message in Channel A, the first participant designates that the "first" message is to be transmitted in Channel B. This is illustrated in Fig. 11A and Fig. 18B (e.g. Channel Brand Related, Channel Bugs, etc.). See also Paragraph 0152:

> **[0152]** Returning to FIG. **11**A, as shown, MarcCohen types the name of the channel and precedes the name of the channel with a character that indicates that the channels being designated as a recipient of the message. Thus, in the example shown, MarcCohen has typed "#ChannelB #ChannelC". In this manner, MarcCohen has indicated that channel B and channel C are also to receive the message.

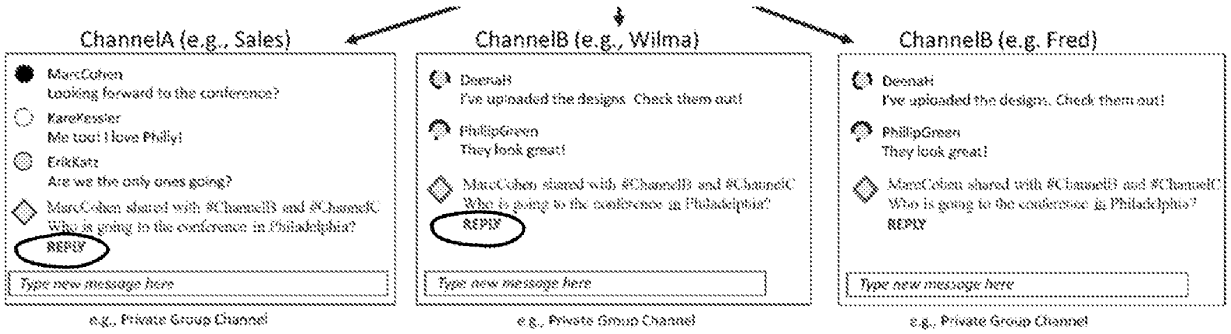
The "first" message is then transmitted in Channel A ("said first channel") and Channel B ("said second channel). Note below how after MarcCohen's first message is transmitted, and then MarcCohen's first message "Who is going to the conference in Philadelphia?" appears in Channel A, Channel B, and Channel C. In an exemplary embodiment, the first message is transmitted in Channel A by default.



An indication is provided in at least one of the channels that the message was transmitted in multiple channels. See Fig. 11A:

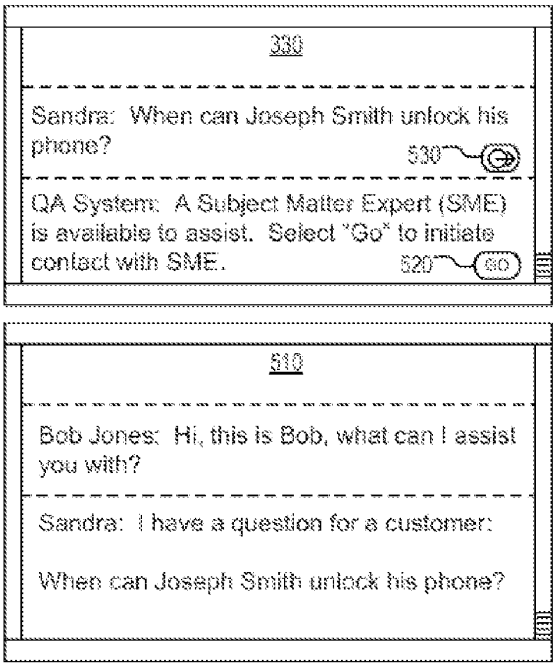


Participants in at least two channels can reply to the transmitted message. Note the REPLY function in each Channel in Fig. 15A:



Applicant's claims have been rejected under 35 U.S.C. 103 as being rejected by Isensee and Passmore. It is respectfully submitted that Applicant's claims are patentable over the art of record for the reasons set forth below.

Isensee discloses the ability to send a message to one channel, AND THEN TO DESIGNATE AND FORWARD THE MESSAGE to another channel. Note how a message "When can Joseph Smith unlock his phone?" is forwarded from channel 330 to channel 510 in Isensee, Fig. 5:



Isensee forwards a message from a first channel to a second channel AFTER the message has been transmitted in the first channel. Isensee does not designate the second channel until AFTER the message has been transmitted in the first channel.

Applicant's claim 1 is substantially different than Isensee because Applicant designates the message to be transmitted in a second channel BEFORE Applicant transmits the message in a first channel. In particular, Applicant's claim 1 includes the following feature:

> …receiving a designation from said first of said participants, PRIOR TO SAID FIRST OF SAID MESSAGES BEING TRANSMITTED IN SAID FIRST CHANNEL, that said first of said messages is to be transmitted in said second channel… (emphasis added)

See screenshots 1101, 1102, 1103 (FIGS. 11A – 11D) of Applicant's originally filed application for support. No new matter has been added.

Applicant's feature of designating that a message is to be transmitted in a second channel BEFORE the message is transmitted in the first channel provides one or more advantages that are not achieved by Isensee:

FIRST, a) Applicant's feature of sending a message to more than just the channel a sender happens to be in at the time; and b) Isensee's feature of forwarding a previously received message to a further channel, are fundamentally different concepts;

SECOND, a computer efficiency (e.g. memory and storage) is gained through a one-time creation and transmission of a new message to two or more channels, as opposed to an existing message that is created and transmitted (processed and stored) and then transmitted again (processed and stored again);

THIRD, if an individual can only share messages that have already been received (as in Isensee), the individual CANNOT (w/o including a pre-existing message) craft a novel message and transmit it to two or more channels;

FOURTH, a participant of a channel is severely limited if she can only share pre-existing messages to further channels. Applicant's claim 1 allows the original sender to post an original message to multiple channels in the first place; and

FIFTH, Applicant's claim 1 improves computer functionality by, among other things, enabling a new message to be posted to multiple channels with fewer computer operations, thereby consuming fewer computer resources such as memory, processing and storage, than

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retransmitting a message only after said message has been previously transmitted to a first channel. In one embodiment, a first message is transmitted to multiple channels in one step rather than in two steps.

It is BECAUSE Applicant includes the feature of "…receiving a designation … prior to said first of said messages being transmitted in said first channel, that said first of said messages is to be transmitted in said second channel" that the above advantages are achieved over Isensee. The Office Action combines Isensee with Passmore because Passmore discloses channel members being permitted/approved to send/receive messages. Passmore, however, does not make up for Isensee's deficiency regarding the above quoted feature of claim 1. Accordingly, the combination of Isensee and Passmore does not affect the patentability of Applicant's claim 1. Withdrawal of the rejection is respectfully requested.

Claim 19 is a method claim that corresponds to apparatus claim 1. While not identical to claim 1, claim 19 is patentable for reasons similar to those set forth above with regard to claim 1.

The remaining claims that depend on claim 1 or claim 19 are patentable by virtue of their dependency on allowable claim 1 or claim 19. Withdrawal of the rejection is respectfully requested.

Claims 1, 6, 13, 14 and 19 have been rejected based on obviousness-type double patenting in view of claims 1, 6, 7 of U.S. 10,009,300 in view of Isensee. The rejection is respectfully traversed because the rejection now fails the obviousness analysis required by MPEP 804(II)(B)(2). In particular, the above quoted language in Applicant's independent claims - "receiving a designation…" - renders Applicant's claims patentably distinct from the combination of U.S. 10,009,300 and Isensee. Withdrawal of the rejection is respectfully requested.

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For at least the reasons set forth above, Applicant respectfully submits that the above-identified application is in condition for allowance. Favorable reconsideration and prompt allowance are earnestly solicited.

Should the Examiner believe that anything further is desirable in order to place the application in even better condition for allowance, the Examiner is invited to contact Applicant's undersigned attorney at the telephone number listed below to expedite prosecution of the application.

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Respectfully submitted,
CAESAR RIVISE, PC

March 10, 2021

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

Electronic Patent Application Fee Transmittal

Application Number:	16014578
Filing Date:	21-Jun-2018
Title of Invention:	PARALLEL MESSAGING APPARATUS AND METHOD THEREOF
First Named Inventor/Applicant Name:	Marc A. Cohen
Filer:	Michael Cornelison/Robin Wilson
Attorney Docket Number:	W1186/20011

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:				
CLAIMS IN EXCESS OF 20	2202	14	50	700
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**700**

Electronic Acknowledgement Receipt

EFS ID:	42146867
Application Number:	16014578
International Application Number:	
Confirmation Number:	7094
Title of Invention:	PARALLEL MESSAGING APPARATUS AND METHOD THEREOF
First Named Inventor/Applicant Name:	Marc A. Cohen
Customer Number:	3000
Filer:	Michael Cornelison/Robin Wilson
Filer Authorized By:	Michael Cornelison
Attorney Docket Number:	W1186/20011
Receipt Date:	10-MAR-2021
Filing Date:	21-JUN-2018
Time Stamp:	17:37:54
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$700
RAM confirmation Number	E202130H38220062
Deposit Account	030075
Authorized User	Robin Wilson
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.21 (Miscellaneous fees and charges)	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		W118620011_Amendment_.pdf	1179887 9d4ec3ba7603108c05026e6833ced965332b0886	yes	18

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Amendment/Req. Reconsideration-After Non-Final Reject	1	1
	Claims	2	9
	Applicant Arguments/Remarks Made in an Amendment	10	18

Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30241 ccb363ebab4984142abbad8e9b359b6d0ebee6bc	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	1210128		

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/014,578	06/21/2018	Marc A. Cohen	W1186/20011	7094

3000 7590 06/17/2021

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EXAMINER	
DOSHI, AKSHAY	

ART UNIT	PAPER NUMBER
2423	

NOTIFICATION DATE	DELIVERY MODE
06/17/2021	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. 16/014,578	Applicant(s) Cohen, Marc A.	
	Examiner AKSHAY DOSHI	Art Unit 2423	AIA (FITF) Status Yes

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

Period for Reply

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

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

Status

1)☑ Responsive to communication(s) filed on 3/10/2021.

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

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

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

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

Disposition of Claims*

5) ☑ Claim(s) 1,6,9-10,12,14,16,19 and 21-46 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) 1,6,9-10,12,14,16,19 and 21-46 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: _____.

DETAILED ACTION

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

2. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

Claim Status

Claims 1, 6, 9-10, 12, 14, 16, and 19 are amended.

Claims 2-5, 7-8, 11, 13, 15, 17, 18, and 20 are canceled.

Claims 21-46 are newly added.

Claims 1, 6, 9-10, 12, 14, 16, 19, and 21-46 are presented for examination.

Current amendment to claims 1 and 19 overcomes the prior nonstatutory obviousness-type double patenting of claims 1, 6, 13, 14, and 19. Prior nonstatutory obviousness-type double patenting rejection of 2/2/2021 has been withdrawn based on current claim amendment.

Response to Arguments

Applicant's arguments presented in the amendments filed on 3/10/2021 have fully been considered but are moot because of the new ground of rejection.

Priority

The later-filed application must be an application for a patent for an invention which is also disclosed in the prior application (the parent or original nonprovisional application or provisional application). The disclosure of the invention in the parent application and in the later-filed application must be sufficient to comply with the requirements of 35 U.S.C. 112(a) or the first paragraph of pre-AIA 35 U.S.C. 112, except for the best mode requirement. See *Transco Products, Inc. v. Performance Contracting, Inc.*, 38 F.3d 551, 32 USPQ2d 1077 (Fed. Cir. 1994)

3. The disclosure of the prior-filed application, Application No. 15/858,696, 62/518,905, 15/609,663 , 15/431,077, 62/446,067, 15/293,620, 62/358,719, and 62/253,229 fails to provide adequate support or enablement in the manner provided by 35 U.S.C. 112(a) or pre-AIA 35 U.S.C. 112, first paragraph for one or more claims of this application. Prior filed applications does not disclose claimed feature of, "receiving a designation from said first of said participants, prior to said first of said messages being transmitted in said first channel, that said first of said messages is to be transmitted in said second channel, transmitting said first of said messages a) in said first message stream in said first channel, and b) in said second message stream in said second channel after receiving said designation so that said first of said messages appears in said first message stream and said second message" as claimed in

independent claims 1 and 19. Therefore the currently claims are given priority only to 62/666,137 dated 05/03/2018.

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 of this title, 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.

4. Claims 1, 6, 9, 12, 16, 21-24, 26, 27, 29-32, 24, 36-39, 40, and 42-46 are rejected under U.S.C. 103 as being unpatentable over LEE (US 20130097260), in view of Soroker et al. (US 10659243), in further view of Blair (US 20140096033).

Regarding claim 1, Lee discloses, apparatus for providing display of exchanged messages (par. 0101, fig. 8A, user interface displaying messages transmitted to plurality of recipients, a recipient B and recipient c and messages exchanged between sender A and recipients), **said apparatus comprising:**

a memory for storing said messages; and at least one processor for:

providing display of messages exchanged between a plurality of participants (par. 0101, fig. 8A, user interface displaying messages)**, said messages are exchanged within channels** (par. 0101-0104 discloses same message is

transmitted to 1:N message transmission technique, including a tag to a plurality of recipients B and C, i.e. messages between A and B and A and C are separated in its own channels, as shown in fig. 8B and 8C, message exchange between sender A and recipient B and recipient C are not shared between recipient B and C, therefore message communication between A and B = first channel and message communication between A and C= second channel, therefore plurality of channels)**, said channels include a first channel with a first message stream and a second channel with a second message stream** (par. 0104, fig. 8A-8C discloses sender and recipient exchange messages separated in its own message streams between sender A and recipient B and sender A and recipient C)**, wherein text to be included in a first of said messages is received into a text entry bar from a first of said participants** (par. 0070 discloses the sender might enter texts into the provided UI in order to send a message to the N selected recipients);

receiving a designation from said first of said participants, prior to said first of said messages being transmitted in said first channel, that said first of said messages is to be transmitted in said second channel (par. 0099, fig. 8A discloses a sender terminal A sends a 1: N message (Message No. 1) with a tag "e1" to a plurality of recipients B and C, fig. 8A shows sender A provides designation of recipient B and recipient C prior to transmission of first message);

transmitting said first of said messages a) in said first message stream in said first channel, and b) in said second message stream in said second channel after receiving said designation so that said first of said messages appears in said first message stream and said second message stream (fig. 0101 discloses

FIG. 8A shows a user interface (UI) in a sender (A) terminal which sent message 801 using a 1:N message transmission technique. FIG. 8B shows a user interface (UI) in a recipient terminal of a recipient B and FIG. 8C shows a UI in a recipient terminal of a recipient C, i.e. transmitting the message stream to each of designated recipient on its own channel so that message appears message channel created with each recipient see recipient message screen of fig. 8B and 8C, message communication between A and B = first channel and message communication between A and C= second channel);

allowing a second of said participants while in said first channel and a third of said participants while in said second channel to reply to said first of said messages (par. 0103 discloses, each of the recipients B and C replies to the sender A. Specifically, each of recipient terminals create reply message 812 or 824 including and send the created reply message to the sender terminal, i.e. recipient B (i.e. second participants) in first communication channel is able to reply, therefore allowed to reply and recipient C (i.e. third participants) in second communication channel is able to reply, therefore allowed to reply).

Lee discloses text, text to be included in a first of said messages is received from a first of said participants, **however Lee does not discloses**, receiving text from participant while in the first channel, and providing indication in the first channel or second channel that the message was transmitted in both the first channel and the second channel.

Soroker discloses, text to be included in a first of said messages is received from a first of said participants while in said first channel (column 12, line 43-51 discloses, a group of end-users utilizing a first chat room corresponding to chat

room A (221-1) can designate a channel corresponding to communication bridge 222-1 for communicating with end-users utilizing a second chat room corresponding to chat room B, message 215 (original message X) may be transmitted to users connected to rooms 221-2 and 221-3, resulting in users receiving relayed messages 213, i.e. original message x is received from a user in first chat room or channel to be transmitted to chat room 2 or second channel, i.e. user is already in first channel where it sends the message to be transmitted in to second channel by designating channel of second channel).

It would have been obvious to one of ordinary skill in the art before the effective filing date of the invention to use **Lee** to include teaching of text received from user while in the first channel, a taught by **Soroker**, to transmit messages between users of the first chat room and users of the second chat room, as disclosed in **Soroker** column 2, line 35-40.

The combination of Lee and Soroker fails to teach, providing indication in the first channel or second channel that the message was transmitted in both the first channel and the second channel.

However Blair teaches, **providing an indication in at least one of said first channel or said second channel that said first of said messages was transmitted in both said first channel and said second channel** (par. 0157 discloses, in this example we can see (40) that the original message was sent "To:" Jane S and Joe B and has been received by them (not greyed out), i.e. sending message to two different people therefore two different channel as each individual recipient can control direct

communication with sender, fig. 13 shows that this message was sent 23 min ago, therefore that indicates that transmission of message has occurred).

It would have been obvious to one of ordinary skill in the art before the effective filing date of the invention to modify the combination of **Lee and Soroker** to include features of providing indication in the first channel or second channel that the message was transmitted in both the first channel and the second channel, a taught by **Blair**, to determine who are the recipient of the message that message was sent to, as disclosed in **Blair** fig. 0157.

Regarding claim 6, Apparatus according to claim 1,

Lee further discloses, wherein said second of said participants receives said first of said messages and replies with a response that is visible to only said first of said participates and said second of said participants (par. 0106 discloses sent/received messages 804-807 between the sender A and the recipient C may not be displayed in the recipient B's terminal. Also, referring to FIG. 8C, sent/received messages 802 and 803 between the sender A and the recipient B may not be displayed in the recipient C's terminal).

Regarding claim 9, Apparatus according to claim 1,

Lee further discloses, wherein replaying to said first of said message is initiated through physical interaction with a display that is displaying said first of said messages (par. 0103 discloses, each of the recipients B and C replies to the sender A. Specifically, each of recipient terminals create reply message 812 or 824

including and send the created reply message to the sender terminal, see fig. 8B and 8C for UI that is used for physically creating reply).

Regarding claim 12, Apparatus according to claim 1,

Lee **further discloses, wherein said designation is performed by said first of said participants inserting one or more characters in said first of said messages to indicate that said first of said message to said first channel and to said second channel** (par. 0068 discloses The sender may select a plurality of recipients using contact information or an address book stored in the sender terminal. Also, the sender may input recipient identifier (ID) information such as a telephone number, a user identifier, and an email address, i.e. sender A inserting one or more character of each of the recipient's ID, par. 0098 discloses a sender terminal A sends a 1: N message (Message No. 1) with a tag "e1" to a plurality of recipients B and C, i.e. 1:N = the message is sent to each recipient in its own channel or communication stream)**.**

Regarding claim 16, Apparatus according to claim 1,

Lee **further discloses, wherein said first of said participants indicates with physical action that said first of said message is to be transmitted to ones of said channels that includes said first channel and said second channel** (par. 0068 discloses The sender may select a plurality of recipients using contact information or an address book stored in the sender terminal. Also, the sender may input recipient identifier (ID) information such as a telephone number, a user identifier, and an email

address), par. 0098 discloses a sender terminal A sends a 1: N message (Message No. 1) with a tag "e1" to a plurality of recipients B and C, i.e. 1:N = the message is sent to each recipient in its own channel or communication stream) .

Regarding claim 19, Lee discloses, a method of providing display of exchanged messages, said method comprising the steps of:

providing display of said messages exchanged between a plurality of participants (par. 0101, fig. 8A, user interface displaying messages)**, said messages are exchanged within channels** (par. 0101-0104 discloses same message is transmitted to 1:N message transmission technique, including a tag to a plurality of recipients B and C, i.e. messages between A and B and A and C are separated in its own channels, as shown in fig. 8B and 8C, message exchange between sender A and recipient B and recipient C are not shared between recipient B and C, therefore message communication between A and B = first channel and message communication between A and C= second channel, therefore plurality of channels)**, said channels include a first channel with a first message stream and a second message channel with a second message stream** (par. 0104, fig. 8A-8C discloses sender and recipient exchange messages separated in its own message streams between sender A and recipient B and sender A and recipient C)**, wherein text to be included in a first of said messages is received into a text entry bar from a first of said participants** (par. 0070 discloses the sender might enter texts into the provided UI in order to send a message to the N selected recipients);

receiving a designation from said first of said participants, prior to said first of said messages being transmitted in said first channel, that said first of said messages is to be transmitted in said second channel (par. 0099, fig. 8A discloses a sender terminal A sends a 1: N message (Message No. 1) with a tag "e1" to a plurality of recipients B and C, fig. 8A shows sender A provides designation of recipient B and recipient C prior to transmission of first message);

transmitting said first of said messages message a) in said first message stream in said first channel, and b) in said second message stream in said second channel after receiving said designation so that said first of said messages appears in said first message stream and said second message stream (fig. 0101 discloses FIG. 8A shows a user interface (UI) in a sender (A) terminal which sent message 801 using a 1:N message transmission technique. FIG. 8B shows a user interface (UI) in a recipient terminal of a recipient B and FIG. 8C shows a UI in a recipient terminal of a recipient C, i.e. transmitting the message stream to each of designated recipient on its own channel so that message appears message channel created with each recipient see recipient message screen of fig. 8B and 8C, message communication between A and B = first channel and message communication between A and C= second channel);

allowing a second of said participants while in said first channel, and a third of said participants while in said second channel to reply to said first of said messages (par. 0103 discloses, each of the recipients B and C replies to the sender A. Specifically, each of recipient terminals create reply message 812 or 824 including and send the created reply message to the sender terminal, i.e. recipient B (i.e. second

participants) in first communication channel is able to reply, therefore allowed to reply and recipient C (i.e. third participants) in second communication channel is able to reply, therefore allowed to reply).

Lee discloses text, text to be included in a first of said messages is received from a first of said participants, **however Lee does not discloses**, receiving text from participant while in the first channel, and providing indication in the first channel or second channel that the message was transmitted in both the first channel and the second channel.

Soroker discloses, text to be included in a first of said messages is received from a first of said participants while in said first channel (column 12, line 43-51 discloses, a group of end-users utilizing a first chat room corresponding to chat room A (221-1) can designate a channel corresponding to communication bridge 222-1 for communicating with end-users utilizing a second chat room corresponding to chat room B, message 215 (original message X) may be transmitted to users connected to rooms 221-2 and 221-3, resulting in users receiving relayed messages 213, i.e. original message x is received from a user in first chat room or channel to be transmitted to chat room 2 or second channel, i.e. user is already in first channel where it sends the message to be transmitted in to second channel by designating channel of second channel).

It would have been obvious to one of ordinary skill in the art before the effective filing date of the invention to use **Lee** to include teaching of text received from user while in the first channel, a taught by **Soroker**, to transmit messages between users of

the first chat room and users of the second chat room, as disclosed in **Soroker** column 2, line 35-40.

The combination of Lee and Soroker fails to teach, providing indication in the first channel or second channel that the message was transmitted in both the first channel and the second channel.

However Blair teaches, providing an indication in at least one of said first channel or said second channel that said first of said messages was transmitted in both said first channel and said second channel (par. 0157 discloses, in this example we can see (40) that the original message was sent "To:" Jane S and Joe B and has been received by them (not greyed out), i.e. sending message to two different people therefore two different channel as each individual recipient can control direct communication with sender, fig. 13 shows that this message was sent 23 min ago, therefore that indicates that transmission of message has occurred).

It would have been obvious to one of ordinary skill in the art before the effective filing date of the invention to modify the combination of **Lee and Soroker** to include features of providing indication in the first channel or second channel that the message was transmitted in both the first channel and the second channel, a taught by **Blair**, to determine who are the recipient of the message that message was sent to, as disclosed in **Blair** fig. 0157.

Regarding claim 21, Apparatus according to claim 1,

Lee further discloses, wherein said first of said participants is authorized to participate in said first channel and said second channel as a condition of transmitting said first of said messages in said first channel and said second

channel (par. 0099 discloses, when a sender terminal A sends a 1: N message (Message No. 1) with a tag "e1" to a plurality of recipients B and C, each of the recipients B and C may determine whether a received message is a 1:N message based on a tag value "e". The respective recipients B and C may transmit a reply message with a tag "ell" attached, i.e. sender A initiates 1:N message therefore sender A is authorized to participant all communication with recipients in their own conversation channel).

Regarding claim 22, Apparatus according to claim 1,

Combination of Lee, Soroker and Blair discloses, **wherein responsive to physical interaction with a screen providing said display of said messages, said first channel and said second channel are identified as having transmitted therein said first of said messages and said second of said messages** (Blair, par. 0136, fig. 5 discloses The user may click on controls (33), (34) to expand or collapse a message respectively, par. 0157In this example we can see (40) that the original message was sent "To:" Jane S and Joe B and has been received by them (not greyed out, i.e. message was sent to two recipient and was transmitted to them, sending message to two different people therefore two different channel as each individual recipient can control direct communication with sender)).

Regarding claim 23, Apparatus according to claim 1,

Combination of Lee, Soroker and Blair discloses, **wherein when said second of said participants replies with a third response to said first of said**

messages in said first channel, said third response is also transmitted in said second channel (Blair par. 0254-0256, fig. 13 discloses John Doe sends the initial message to Jane Smith and Joe Brown and Jane clicks "Reply All" and responds, i.e. when Jane replies to senders (i.e. that is in first channel directly with sender), the replay is also transmitted to Joe Brown, Joe Brown is a second communication channel of sender John Doe).

Regarding claim 24, Apparatus according to claim 1,

Lee **further discloses, wherein said second of said participants replies in said first channel with a first response, said third of said participants replies in said second channel with a second response, said first response is visible in said first channel and is prevented from being displayed in said second channel; said second response is visible in said second channel and is prevented from being displayed in said first channel** (par. 0106 discloses sent/received messages 804-807 between the sender A and the recipient C may not be displayed in the recipient B's terminal. Also, referring to FIG. 8C, sent/received messages 802 and 803 between the sender A and the recipient B may not be displayed in the recipient C's terminal).

Regarding claim 26, Apparatus according to claim 1,

Lee **further discloses, wherein said first of said messages is transmitted in said first channel by default** (FIG. 8A shows a user interface (UI) in a sender (A) terminal which sent message 801 using a 1:N message transmission technique. FIG. 8B shows a user interface (UI) in a recipient terminal of a recipient B and FIG. 8C

shows a UI in a recipient terminal of a recipient C, i.e. message gets transmitted to recipient B therefore it is by default, messaging from sender A to recipient B being first channel).

Regarding claim 27, Apparatus according to claim 1,

Lee **further discloses, wherein said first of said messages is transmitted in said first channel after said first of said participants selects said first channel for transmitting said first of said messages (**par. 0068 discloses The sender may select a plurality of recipients using contact information or an address book stored in the sender terminal. Also, the sender may input recipient identifier (ID) information such as a telephone number, a user identifier, and an email address), par. 0098 discloses a sender terminal A sends a 1: N message (Message No. 1) with a tag "e1" to a plurality of recipients B and C, i.e. 1:N = the message is sent to each recipient in its own channel or communication stream**).**

Regarding claim 29, Apparatus according to claim 1,

Lee **further discloses, wherein receiving said designation includes identifying said second channel as being where said first of said messages is to be transmitted** (par. 0067 discloses the graphic user interface of the 1:N messaging application may provide information stored in the sender terminal in order to enable a user to select N recipients, par. 0068 discloses The sender may select a plurality of recipients using contact information or an address book stored in the sender terminal. Also, the sender may input recipient identifier (ID) information such as a telephone

number, a user identifier, and an email address, i.e. sender identifying plurality of designation ID to include in 1:N messaging technique).

Regarding claim 30, Apparatus according to claim 1,

Combination of Lee, Soroker and Blair discloses, **wherein said indication is provided in said first channel and said second channel (**Blair par. 0254-0256, fig. 13 discloses John Doe sends the initial message to Jane Smith and Joe Brown i.e. indication in first channel shows that message was transmitted to different recipient therefore two different channel, and since second recipient Joe Brown receiver the message (i.e. in second channel), it also shows to Joe Brown indication that message was also copied to first recipient Jane Smith**).**

Regarding claim 31, is similar to claim 6 and is examined accordingly.

Regarding claim 32, **is similar to claim 9 and is examined accordingly**.

Regarding claim 34, **is similar to claim 12 and is examined accordingly**.

Regarding claim 36, **is similar to claim 16 and is examined accordingly**.

Regarding claim 37, **is similar to claim 21 and is examined accordingly**.

Regarding claim 38, **is similar to claim 22 and is examined accordingly**.

Regarding claim 39, is similar to claim 23 and is examined accordingly.

Regarding claim 40, is similar to claim 24 and is examined accordingly.

Regarding claim 42, is similar to claim 26 and is examined accordingly.

Regarding claim 43, is similar to claim 27 and is examined accordingly.

Regarding claim 45, is similar to claim 29 and is examined accordingly.

Regarding claim 46, is similar to claim 30 and is examined accordingly.

5. Claims 10, 28, 33, and 44 are rejected under U.S.C. 103 as being unpatentable over LEE (US 20130097260), in view of Soroker et al. (US 10659243), in further view of Blair (20140096033), in further view of Lee et al. (US 20170054664), hereinafter as Lee2.

Regarding claim 10, Apparatus according to claim 1,

Lee in view of Soroker in further view of Blair does not **disclose, wherein said second of said participants replies with a first response, a fourth of said participants replies to said first of said messages in said first channel with a second response, and wherein said first response and said second response**

are displayed in a manner so that said first response and said second response are grouped together in said first channel.

Lee2 discloses wherein said second of said participants replies with a first response, a fourth of said participants replies to said first of said messages in said first channel with a second response, and wherein said first response and said second response are displayed in a manner so that said first response and said second response are grouped together in said first channel (par. 0112, fig. 8, element 810, fig. 13 group of reply from different users can be grouped together and displayed).

It would have been obvious to one of ordinary skill in the art before the effective filing date of the invention to modify the combination of **Lee in view of Soroker in further view of Blair** to include features grouping the response from users received for the sent message, as taught by **Lee2**, to easily and conveniently verify messages relevant to the group message, as disclosed in **Lee2** fig. 0029.

Regarding claim 28, Apparatus according to claim 1,

Lee in view of Soroker in further view of Blair does not disclose, wherein all but said first of said participants is prevented from receiving said first of said message in said first channel.

Lee2 discloses, wherein all but said first of said participants is prevented from receiving said first of said message in said first channel (par. 0111, fig. 13 discloses sending select group of people the new message, therefore prevent all others from receiving that message).

Regarding claim 33, is similar to claim 10 and is examined accordingly.

Regarding claim 44, is similar to claim 28 and is examined accordingly.

6. Claims 14, 25, 35, and 41 are rejected under U.S.C. 103 as being unpatentable over LEE (US 20130097260), in view of Soroker et al. (US 10659243), in further view of Blair (US 20140096033), in further view of Weishaupl et al. (US 20160028660), hereinafter as Weishaupl.

Regarding claim 14, Apparatus according to claim 1,

Lee in view of Soroker in further view of Blair does not **disclose, wherein when said second of said participants replies with a third response, said third response is visible to not all but less than all of said plurality of participants that participant in said first channel.**

Weishaupl discloses, wherein when said second of said participants replies with a third response, said third response is visible to not all but less than all of said plurality of participants that participant in said first channel (par. 0023, fig. 2c discloses that reply by user can be made private therefore reply is not visible to other users in chatroom).

It would have been obvious to one of ordinary skill in the art before the effective filing date of the invention to modify the combination of **Lee in view of Soroker in further view of Blair** to include features of replay is only visible to less than all

participants in channel, as taught by Weishaupl, to proper safeguards the messages in messaging system, as disclosed in **Weishaupl** fig. 0003.

Regarding claim 25, Apparatus according to claim 1,

Lee in view of Soroker in further view of Blair does not **disclose, wherein at least one of said third of said participants is specified by said first of said participants as being authorized to receive said first of said messages; or a fourth participant included in said second channel that is not authorized to receive said first of said messages is prevented from viewing said first of said messages.**

Lee2 discloses, wherein at least one of said third of said participants is specified by said first of said participants as being authorized to receive said first of said messages (par. 0023, fig. 2c discloses that reply by user can be made private therefore reply is not visible to other users in chatroom, i.e. senders the private message authorizes the receipts to receive the private message)**; or a fourth participant included in said second channel that is not authorized to receive said first of said messages is prevented from viewing said first of said messages.**

It would have been obvious to one of ordinary skill in the art before the effective filing date of the invention to modify the combination of **Lee in view of Soroker in further view of Blair** to include features of one of the participants is specified by the sender of message to be authorized to receive the sent message, as taught by Weishaupl, to proper safeguards the messages in messaging system, as disclosed in **Weishaupl** fig. 0003.

Regarding claim 35, is similar to claim 14 and is examined accordingly.

Regarding claim 41, is similar to claim 25 and is examined accordingly.

Conclusion

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.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to AKSHAY DOSHI whose telephone number is (571)272-2736. The examiner can normally be reached on M-F 9:30 AM to 6:00 PM.

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, Benjamin Bruckart can be reached on (571)272-3982. 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 https://ppair-my.uspto.gov/pair/PrivatePair. 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.

/A.D/
Examiner, Art Unit 2423

/BENJAMIN R BRUCKART/
Supervisory Patent Examiner, Art Unit 2423

Notice of References Cited	Application/Control No. 16/014,578	Applicant(s)/Patent Under Reexamination Cohen, Marc A.	
	Examiner AKSHAY DOSHI	Art Unit 2423	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-20130097260-A1	04-2013	LEE; Kee-Young	H04W4/00	709/206
*	B	US-10659243-B1	05-2020	Soroker; Andrei	H04L51/043	1/1
*	C	US-20140096033-A1	04-2014	Blair; Christopher Douglas	H04L51/04	715/752
*	D	US-20160028660-A1	01-2016	Weishaupl; Bianca	G06F21/606	709/206
*	E	US-20170054664-A1	02-2017	Lee; YungSeong	H04L51/16	1/1
	F					
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	J					
	K					
	L					
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FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/014,578	Cohen, Marc A.
	Examiner	**Art Unit**
	AKSHAY DOSHI	2423

CPC - Searched*		
Symbol	**Date**	**Examiner**
H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/1069	01/16/2021	AD
H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/1069	06/04/2021	AD

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.

/A.D/ Examiner, Art Unit 2423	

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/014,578	Cohen, Marc A.
	Examiner	**Art Unit**
	AKSHAY DOSHI	2423

Search Notes		
Search Notes	**Date**	**Examiner**
Performed Provisional/Double Patenting search	01/16/2021	AD
Performed inventor name search	01/16/2021	AD
East text search in (US-PGPUB, USPAT, USOCR, FPRS, EPO, JPO , DERWENT, IBM_TDB)	01/16/2021	AD
Consulted with Ben Bruckart for 103 rejection	06/10/2021	AD
Consulted with Patrice Winder for103 rejection	06/11/2021	AD
Performed inventor name search	06/04/2021	AD
Performed Provisional/Double Patenting search	06/04/2021	AD
East text search in (US-PGPUB, USPAT, USOCR, FPRS, EPO, JPO , DERWENT, IBM_TDB)	06/04/2021	AD
Performed IP.com search	06/04/2021	AD

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

/A.D/ Examiner, Art Unit 2423	

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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/014,578	Cohen, Marc A.
	Examiner	**Art Unit**
	AKSHAY DOSHI	2423

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

CLAIMS

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

CLAIM		DATE								
Final	Original	01/16/2021	06/05/2021							
	1	✓	✓							
	2	✓	-							
	3	✓	-							
	4	✓	-							
	5	✓	-							
	6	✓	✓							
	7	✓	-							
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	41		✓							
	42		✓							

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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/014,578	Cohen, Marc A.
	Examiner	**Art Unit**
	AKSHAY DOSHI	2423

CLAIM		DATE								
Final	Original	01/16/2021	06/05/2021							
	43		✓							
	44		✓							
	45		✓							
	46		✓							

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	3	16/014,578	USPAT	OR	ON	2020/12/31 18:32
S2	6	16/014,578	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/12/31 18:33
S3	0	16/014,578 and "authorized.clm"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/12/31 19:28
S4	8,698	16/014,578 and (authorized)".clm"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/12/31 19:29
S5	8,698	16/014,578 and (authorized)".clm"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/12/31 19:29
S6	8,698	16/014,578 and (authorized same message)".clm"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/12/31 19:29
S7	1	"16014578" and (authorized same message).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2020/12/31 19:29

			DERWENT; IBM_TDB			
S8	2	"16014578" and ((authorized prevent$4) same message).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/12/31 19:30
S9	5	"16014578" and ((authorized prevent$4) same message)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/12/31 19:33
S10	2	("20050198584").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/12/31 21:09
S11	98,432	((message chat texting) neae5 (window room bar)) with (participants users people receiver senders) with (authorized permitted private public prevented paid guest)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 00:14
S12	1,866	((message chat texting) near5 (window room bar)) with (participants users people receiver senders) with (authorized permitted private public prevented paid guest)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 00:15
S13	4,824	((message chat texting) near5 (instant window room bar)) with (participants users people receiver senders) with (filter$4 authorized permitted private public prevent$4 paid guest)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 00:19
S14	834	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/1069).cpc. and S13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2021/01/02 00:19

			DERWENT; IBM_TDB			
S15	4,651	((message chat texting) near5 (instant window room bar)) with (participants users people) with (filter$4 authorized permitted private public prevent$4 paid guest)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 00:19
S16	808	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/1069).cpc. and S15	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 00:32
S17	2,526	((message chat texting) near5 (instant window room bar)) with (participants users people receiver senders) with ((authorized permitted private public prevent$4 paid guest) near5 (message chat texting))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 00:33
S18	2,261	(((message chat texting) near5 (instant window room bar)) near10 (participants users people receiver senders)) with ((authorized permitted private public prevent$4 paid guest) near5 (message chat texting))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 00:36
S19	444	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/1069).cpc. and S18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 00:37
S20	2,177	(((message chat texting) near5 (instant window room bar)) near10 (participants users people)) with ((authorized permitted private public prevent$4 paid guest) near5 (message chat texting))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 00:37
S21	1,831	(((message chat texting) near5 (instant window room bar)) near10 (participants users people)) with ((authorized permitted private prevent$4) near5 (message chat texting))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2021/01/02 00:37

			DERWENT; IBM_TDB			
S22	330	(((display$5 present$4 output$4) near7(message chat texting) near5 (instant window room bar)) near10 (participants users people)) with ((authorized permitted private prevent$4) near5 (message chat texting))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 00:38
S23	53	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/1069).cpc. and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 00:40
S24	4	16/014,578 and prevent$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 00:46
S25	4	15/858,696 and prevent$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 00:47
S26	8	15/858,696	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 00:48
S27	7	15/609,663 and prevent$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 00:49
S28	143	(((display$5 present$4 output$4) near7(message chat texting) near5 (instant window room bar)) near10 (participants users people)) with ((authorized permitted prevent$4) near5 (participants users people))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2021/01/02 00:58

			DERWENT; IBM_TDB			
S29	175	(((display$5 present$4 output$4) near7(messag$4 chat$4 texting) near5 (instant window room bar)) near10 (participants users people)) with ((authorized permitted prevent$4) near5 (participants users people))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 10:33
S30	143	(((display$5 present$4 output$4) near7(message chat texting) near5 (instant window room bar)) near10 (participants users people)) with ((authorized permitted prevent$4) near5 (participants users people))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 10:35
S31	32	S29 not S30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 10:35
S32	173	(((display$5 present$4 output$4) near7(messag$4 chat$4 texting) near5 (instant window room bar)) near10 (participants users people)) with ((authorized permitted prevent$4 disallowed prohibit$4 forbidden$4) near5 ((messag$4 chat$4 texting)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 10:42
S33	60	S32 not S29	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 10:43
S34	179	(((display$5 present$4 output$4) near7(messag$4 chat$4 texting) near5 (instant window room bar)) near10 (participants users people)) with ((authorized permitted prevent$4 disallowed prohibit$4 forbidden$4 mut$4) near5 ((messag$4 chat$4 texting)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 10:52
S35	21	(((display$5 present$4 output$4) near7(messag$4 chat$4 texting) near5 (instant window room bar)) near10 (participants users people))	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2021/01/02 10:52

		with ((disallowed prohibit$4 forbidden$4 mut$4) near5 ((messag$4 chat$4 texting)))	JPO; DERWENT; IBM_TDB			
S36	25	(((display$5 present$4 output$4 show$4 viewing) near7(messag$4 chat$4 texting) near5 (instant window room bar)) near10 (participants users people)) with ((disallowed prohibit$4 forbidden$4 mut$4) near5 ((messag$4 chat$4 texting)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 13:57
S37	32	(((display$5 present$4 output$4 show$4 viewing) near7(messag$4 chat$4 texting) near5 (instant window room bar channel))) with ((disallowed prohibit$4 forbidden$4 mut$4) near5 ((messag$4 chat$4 texting)) near10 (participants users people))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 14:14
S38	32	(((display$5 present$4 output$4 show$4 viewing) near7(messag$4 chat$4 texting) near5 (instant window room bar channel))) with ((disallowed prohibit$4 forbidden$4 mut$4) near5 ((messag$4 chat$4 texting)) near10 (participants users people memebrs))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 14:14
S40	25	(((display$5 present$4 output$4 show$4 viewing) near7(messag$4 chat$4 texting) near5 (instant window room bar)) near10 (participants users people)) with ((disallowed prohibit$4 forbidden$4 mut$4) near5 ((messag$4 chat$4 texting)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 14:58
S41	32	(((display$5 present$4 output$4 show$4 viewing) near7(messag$4 chat$4 texting) near5 (instant window room bar channel))) with ((disallowed prohibit$4 forbidden$4 mut$4) near5 ((messag$4 chat$4 texting)) near10 (participants users people memebrs))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 14:58
S42	7	S41 not S40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 14:58

S44	43	(((display$5 present$4 output$4 show$4 viewing) near7(messag$4 chat$4 texting) near5 (instant window room bar channel))) and ((disallowed prohibit$4 forbidden$4 mut$4) near5 ((messag$4 chat$4 texting)) near10 (all any every each) near10 (participants users people memebrs))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 15:14
S45	42	S44 not S41	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 15:19
S46	4,614	((messag$5 chat$3 conversation talk discussion) near5 (channel room group window box interface)) and ((send$5 transfer$4 forward$4) near6 (messag$5 chat$3 conversation talk discussion) near8 ((multiple plurality) near5 (group window box interface room channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/02 16:44
S47	172	(((display$5 present$4 output$4 show$4 viewing) near7(messag$4 chat$4 texting) near5 (instant window room bar channel))) and ((disallowed prohibit$4 forbidden$4 mut$4 prevent$5) near5 ((messag$4 chat$4 texting)) near10 (all any every each) near10 (participants users people memebrs))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 13:25
S48	32	(((display$5 present$4 output$4 show$4 viewing) near7(messag$4 chat$4 texting) near5 (instant window room bar channel))) with ((disallowed prohibit$4 forbidden$4 mut$4) near5 ((messag$4 chat$4 texting)) near10 (participants users people memebrs))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 13:25
S49	171	S47 not S48	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 13:25

S50	4,614	((messag$5 chat$3 conversation talk discussion) near5 (channel room group window box interface)) and ((send$5 transfer$4 forward$4) near6 (messag$5 chat$3 conversation talk discussion) near8 ((multiple plurality) near5 (group window box interface room channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 13:26
S51	172	(((display$5 present$4 output$4 show$4 viewing) near7(messag$4 chat$4 texting) near5 (instant window room bar channel))) and ((disallowed prohibit$4 forbidden$4 mut$4 prevent$5) near5 ((messag$4 chat$4 texting)) near10 (all any every each) near10 (participants users people memebrs))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 15:50
S52	32	(((display$5 present$4 output$4 show$4 viewing) near7(messag$4 chat$4 texting) near5 (instant window room bar channel))) with ((disallowed prohibit$4 forbidden$4 mut$4) near5 ((messag$4 chat$4 texting)) near10 (participants users people memebrs))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 15:50
S53	171	S51 not S52	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 15:50
S54	4,614	((messag$5 chat$3 conversation talk discussion) near5 (channel room group window box interface)) and ((send$5 transfer$4 forward$4) near6 (messag$5 chat$3 conversation talk discussion) near8 ((multiple plurality) near5 (group window box interface room channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 15:50
S55	11	S54 and S53	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 15:50

S56	259	(((display$5 present$4 output$4 show$4 viewing) near7(messag$4 chat$4 texting) near5 (instant window room bar channel interface))) and ((disallowed prohibit$4 forbidden$4 mut$4 prevent$5) near5 ((messag$4 chat$4 texting)) near10 (all any every each) near10 (participants users people memebrs))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 15:55
S57	259	(((display$5 present$4 output$4 show$4 viewing preview$4) near7(messag$4 chat$4 texting) near5 (instant window room bar channel interface))) and ((disallowed prohibit$4 forbidden$4 mut$4 prevent$5) near5 ((messag$4 chat$4 texting)) near10 (all any every each) near10 (participants users people memebrs))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 15:55
S58	12	S54 and S57	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 15:58
S59	798	((disallowed prohibit$4 forbidden$4 mut$4 prevent$5) near5 ((messag$4 chat$4 texting)) near10 (all any every each) near10 (participants users people memebrs))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 15:59
S60	14	S54 and S59	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 16:00
S61	3	S60 not S55	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 16:00
S62	16	((send$5 transfer$4 forward$4) near6 (messag$5 chat$3	US-PGPUB; USPAT;	OR	ON	2021/01/04 16:01

		conversation talk discussion) near8 ((multiple plurality) near5 (group window box interface room channel))) and S59	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S63	16	((send$5 transfer$4 forward$4) near6 (messag$5 chat$3 conversation talk discussion) near8 ((multiple plurality two parallel) near5 (group window box interface room channel))) and S59	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 16:02
S64	827	((disallowed prohibit$4 forbidden$4 mut$4 prevent$5) near5 ((messag$4 chat$4 texting)) near10 (all any every each entire) near10 (participants users people memebrs))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 16:03
S65	19	((send$5 transfer$4 forward$4) near6 (messag$5 chat$3 conversation talk discussion) near8 ((multiple plurality two parallel) near5 (group window box interface room channel))) and S64	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 16:04
S66	14	S65 and S60	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 16:05
S67	5	S65 not S60	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/04 16:06
S68	114	((disallowed prohibit$4 forbidden$4 mut$4 prevent$5) near5 ((messag$4 chat$4 texting)) near10 (participants users people memebrs)) and ((send$5 transfer$4 forward$4) near6 (messag$5 chat$3 conversation talk discussion) near8 ((multiple plurality two parallel) near5 (group window box interface room channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/05 10:35

S69	5	("20050201559" | "20100105430").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/05 14:15
S70	165	((disallowed prohibit$4 forbidden$4 mut$4 prevent$5) near5 ((messag$4 chat$4 texting communicat$5)) near10 (participants users people memebrs)) and ((send$5 transfer$4 forward$4) near6 (messag$5 chat$3 conversation talk discussion) near8 ((multiple plurality two parallel) near5 (group window box interface room channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/12 22:50
S71	114	((disallowed prohibit$4 forbidden$4 mut$4 prevent$5) near5 ((messag$4 chat$4 texting)) near10 (participants users people memebrs)) and ((send$5 transfer$4 forward$4) near6 (messag$5 chat$3 conversation talk discussion) near8 ((multiple plurality two parallel) near5 (group window box interface room channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/12 22:56
S72	51	S70 not S71	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/12 22:56
S73	24	(US-20160261537-$ or US-20150319203-$ or US-20150099491-$ or US-20090177978-$ or US-20130185363-$ or US-20090125594-$ or US-20150256353-$ or US-20190036854-$ or US-20180139590-$ or US-20170373868-$ or US-20170078858-$ or US-20160241494-$ or US-20130268603-$ or US-20030084167-$ or US-20140149522-$ or US-20120240062-$ or US-20120296987-$ or US-	US-PGPUB; USPAT	OR	ON	2021/01/12 23:31

		20100325112-$ or US-20080263204-$).did. or (US-9374327-$ or US-8990329-$ or US-8103960-$ or US-8495660-$ or US-9026601-$).did.				
S74	24	(US-20160261537-$ or US-20150319203-$ or US-20150099491-$ or US-20090177978-$ or US-20130185363-$ or US-20090125594-$ or US-20150256353-$ or US-20190036854-$ or US-20180139590-$ or US-20170373868-$ or US-20170078858-$ or US-20160241494-$ or US-20130268603-$ or US-20030084167-$ or US-20140149522-$ or US-20120240062-$ or US-20120296987-$ or US-20100325112-$ or US-20080263204-$).did. or (US-9374327-$ or US-8990329-$ or US-8103960-$ or US-8495660-$ or US-9026601-$).did.	US-PGPUB; USPAT	OR	ON	2021/01/12 23:57
S75	22	((disallowed prohibit$4 forbidden$4 mut$4 prevent$5) near5 ((messag$4 chat$4 texting))) and S74	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/12 23:58
S76	14	S75 and ((multiple plurality two parallel) near5 (group window box interface room channel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/12 23:58
S77	0	(admin$5 near10 (disallowed prohibit$4 forbidden$4 mut$4 prevent$5 stop$5) near5 ((messag$4 chat$4 texting))) and S74	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 00:18
S78	0	((administrator admin) near10 (disallowed prohibit$4 forbidden$4 mut$4 prevent$5 stop$5) near5	US-PGPUB; USPAT; USOCR;	OR	ON	2021/01/13 00:19

		((messag$4 chat$4 texting))) and S74	FPRS; EPO; JPO; DERWENT; IBM_TDB			
S79	806	((administrator admin) near10 (disallowed prohibit$4 forbidden$4 mut$4 prevent$5 stop$5) near5 ((messag$4 chat$4 texting)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 00:19
S80	12	S79 and ((send$5 transfer$4 forward$4) near6 (messag$5 chat$3 conversation talk discussion) near8 ((multiple plurality two parallel) near5 (group window box interface room channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 00:20
S81	13,947	((time) near10 (disallowed prohibit$4 forbidden$4 mut$4 prevent$5 stop$5) near5 ((messag$4 chat$4 texting)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 00:25
S82	14,372	((time duration) near10 (disallowed prohibit$4 forbidden$4 mut$4 prevent$5 stop$5) near5 ((messag$4 chat$4 texting)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 00:25
S83	149	S82 and ((send$5 transfer$4 forward$4) near6 (messag$5 chat$3 conversation talk discussion) near8 ((multiple plurality two parallel) near5 (group window box interface room channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 00:26
S84	8	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/1069).cpc. and S83	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 00:27
S85	39	(H04L51/$ or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/1069).cpc. and S83	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2021/01/13 00:29

			JPO; DERWENT; IBM_TDB			
S86	110	S83 not S85	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 00:50
S87	171	S82 and ((send$5 transfer$4 forward$4) near6 (messag$5 chat$3 conversation talk discussion) near8 ((multiple plurality two parallel simultaneous$4 concurrent$4) near5 (group window box interface room channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 00:54
S88	43	(H04L51/$ or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/$).cpc. and S87	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 00:56
S89	44	S88 not17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 00:57
S90	4	S88 not S85	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 00:57
S91	6,554	((send$5) near6 (text messag$5 chat$3 conversation talk discussion) near8 ((multiple plurality two parallel simultaneous$4 concurrent$4) near5 (group window box interface room channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:06
S92	1,334	(H04L51/$ or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/$).cpc. and S91	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2021/01/13 01:09

			DERWENT; IBM_TDB			
S93	6,488	((send$5) near6 (text messag$5 chat$3) near8 ((multiple plurality two parallel simultaneous$4 concurrent$4) near5 (group window box interface room channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:09
S94	1,146	(H04L51/$ or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/1069).cpc. and S93	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:11
S95	496	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/1069).cpc. and S93	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:11
S96	314	((send$5) near6 (text messag$5 chat$3) near8 ((multiple plurality two) near10 (parallel simultaneous$4 concurrent$4) near5 (group window box interface room channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:12
S97	41	(H04L51/$ or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/1069).cpc. and S96	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:13
S98	42	(H04L51/$ or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/$).cpc. and S96	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:13
S99	5	((text messag$5 chat$3) near8 (hash) near9 ((multiple plurality two) near10 (parallel simultaneous$4 concurrent$4) near5 (group window box interface room channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2021/01/13 01:26

			DERWENT; IBM_TDB			
S100	57	((text messag$5 chat$3) near8 (hash) near9 ((multiple plurality two) near10 (parallel simultaneous$4 concurrent$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:28
S101	259	((text messag$5 chat$3) near8 (hash) near9 (parallel simultaneous$4 concurrent$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:32
S102	5	(H04L51/$ or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/$).cpc. and S101	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:32
S103	54	((messag$5 chat$3 conversation talk discussion) near5 (channel room group window box interface)) and S101	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:33
S104	54	((messag$5 chat$3 conversation talk discussion tweet) near5 (channel room group window box interface)) and S101	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:46
S105	260	((text messag$5 chat$3 tweet) near8 (hash) near9 (parallel simultaneous$4 concurrent$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:46
S106	260	((text messag$5 chat$3 tweet$4) near8 (hash) near9 (parallel simultaneous$4 concurrent$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2021/01/13 01:46

			DERWENT; IBM_TDB			
S107	259	((text messag$5 chat$3 twit$4) near8 (hash) near9 (parallel simultaneous$4 concurrent$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:47
S108	1	((reply$4) near8 (hash) near9 (parallel simultaneous$4 concurrent$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:48
S109	44	((repl$4) near8 (hash) near9 (parallel simultaneous$4 concurrent$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:48
S110	1,886	(shar$5 near6 (text messag$5 chat$3 twit$4) near8 (parallel simultaneous$4 concurrent$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:49
S111	1,182	((messag$5 chat$3 conversation talk discussion tweet) near5 (channel room group window box interface)) and S110	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:50
S112	1,182	((messag$5 chat$3 conversation talk discussion twit$5) near5 (channel room group window box interface)) and S110	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:50
S113	168	(H04L51/$ or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/$).cpc. and S112	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2021/01/13 01:51

			DERWENT; IBM_TDB			
S114	257	(((display$5 present$4 output$4 show$4 viewing) near7(messag$4 chat$4 texting) near5 (instant window room bar channel interface))) and S112	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:51
S115	42	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/1069).cpc. and S114	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 01:52
S116	6	"14037470"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/13 21:18
S117	11	(hash near3 tag) near5 (message) near10 (plurality multiple) near4 (recipient group users receiver people person members)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 21:09
S118	11	(hash near3 tag) near5 (message) near10 (plurality multiple simultaneous$3 concurrent$5 several) near4 (recipient group users receiver people person members)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 21:14
S119	104	(hash) near5 (message) near10 (plurality multiple simultaneous$3 concurrent$5 several) near4 (recipient group users receiver people person members)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 21:14
S120	23,675	(send$4 transmit$5) near5 (text message) near10 (plurality multiple simultaneous$3 concurrent$5 several) near4 (recipient group users receiver people person members)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2021/01/14 21:22

			DERWENT; IBM_TDB			
S121	25,421	(send$4 transmit$5 transfer$4 forward$4) near5 (text message) near10 (plurality multiple simultaneous$3 concurrent$5 several) near4 (recipient group users receiver people person members)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 21:23
S122	22,540	(send$4 transmit$5 transfer$4 forward$4) near5 (text message) near10 ((plurality multiple simultaneous$3 concurrent$5 several) near5 (recipient group users receiver people person members))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 21:23
S123	2,120	((hash tag) near5 (text message)) and S122	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 21:24
S124	1,616	((message chat texting) near5 (group instant window room interface)) and S123	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 21:26
S125	1,616	((message chat$4 texting) near5 (group instant window room interface)) and S123	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 21:26
S126	852	(send$4 transmit$5 transfer$4 forward$4) near5 (text message) near10 ((plurality multiple several) near5 (recipient group users receiver people person members)) near10 (simultaneous$3 concurrent$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 21:27
S127	55	((hash tag) near5 (text message)) and S126	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2021/01/14 21:28

			DERWENT; IBM_TDB			
S128	4	(cc) near5 (text message) near10 ((plurality multiple several) near5 (recipient group users receiver people person members)) near10 (simultaneous$3 concurrent$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:11
S129	23	(cc "cc:" copy) near5 (text message) near10 ((plurality multiple several additional) near5 (recipient group users receiver people person members)) near10 (simultaneous$3 concurrent$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:12
S130	6	(cc "cc:" copy) near5 (text message) near10 ((plurality multiple several additional) near5 (window session interface group)) near10 (simultaneous$3 concurrent$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:23
S131	265	(send$4 transmit$5 transfer$4 forward$4) near5 (text message) near10 ((plurality multiple several) near5 ((window session interface group))) near10 (simultaneous$3 concurrent$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:24
S132	274	(send$4 transmit$5 transfer$4 forward$4) near5 (text message) near10 ((plurality multiple several additional) near5 ((window session interface group))) near10 (simultaneous$3 concurrent$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:25
S133	227	((message chat$4 texting) near5 (group instant window room interface)) and S132	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:26
S134	229	((messag$4 chat$4 texting) near5 (group instant window interface)) and S132	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2021/01/14 23:27

			DERWENT; IBM_TDB			
S135	163	((messag$4 chat$4 texting) near2 (group instant window interface)) and S132	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:29
S136	274	(send$4 transmit$5 transfer$4 forward$4) near5 (text message) near10 ((plurality multiple several additional another) near5 ((window session interface group))) near10 (simultaneous$3 concurrent$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:46
S137	25	((hash tag) near5 (text message)) and S136	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:49
S138	1,152	(send$4 transmit$5 transfer$4 forward$4) near5 (text message) near10 ((simultaneous$3 concurrent$5) near5 ((window session interface group)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:50
S139	56	((hash tag) near5 (text message)) and S138	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:51
S140	343	(cc "cc:" copy) near5 (text message) near10 ((plurality multiple several additional) near5 (window session interface group channel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:58
S141	204	((messag$4 chat$4 texting) near2 (group instant window interface)) and S140	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2021/01/14 23:58

			DERWENT; IBM_TDB			
S142	38	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/1069).cpc. and S141	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/14 23:59
S143	21	(send$4 transmit$5 transfer$4 forward$4) near5 (text message) near10 ((plurality multiple several additional another) near5 ((window session interface group user recepient))) near6 ((including adding attaching) near3 (tag character symbole name ID idetentifier hash))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/01/15 13:29
S144	7	("20120240062" | "20140208402" | "20150088998").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/14 17:32
S145	7	(send$3 transmit$5 transfer$3 forward$3 sent) near5 (text message) near10 ((simultaneous$3 parallel concurrent$4) near5 ((window session interface group user recipient))) with ((including adding attaching) near3 (tag character symbol name ID identifier hash))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/14 22:30
S146	5,792	(send$3 transmit$5 transfer$3 forward$3 sent) near5 (text message) near10 ((simultaneous$3 parallel concurrent$4) near10 ((window session interface group user recipient)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/14 22:34
S147	2,622	(send$3 transmit$5 transfer$3 forward$3 sent) near5 (text message) near10 ((simultaneous$3 parallel concurrent$4) near10 ((window session interface group)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/14 22:58
S148	31	(text message) near10 ((simultaneous$3 parallel	US-PGPUB; USPAT;	OR	ON	2021/03/14 22:59

		concurrent$4) near5 ((window session interface group user recipient))) with ((including adding attaching) near3 (tag character symbol name ID identifier hash))	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S149	400	"9961030" "10135767" "20180013707" "20180219821" "20040168055" "7739508" "20140025751" "7131003" "20190075064" "8898235" ("20070050624" "9648052" "20160219093" "7657597" "20180302357" "20040064512" "20130036302" "9071597" "9141823" "20100223470" "8625602" "20110296041" "20080089344" "8301892" "20150339788" "20140304505" "20140059240" "9077742" "10313135" "20060173959" "20180270072" "20210067328" "20170041254" "20030217096" "20040078596" "8204992" "7983240" "7945783" "20040064568" "10757574" "20170078104" "9985790" "9509681" "20150264042" "7206934" "9935979" "20150350251" "9160569" "20040064693" "20120297004" "20180241707" "9231894" "10681202" "9467406" "8166118" "20160094496" "20030023850" "20040255137" "20150326514" "20200120176" "8281372" "20180309801" "10623451" "20150327030" "20030163697" "20180241705" "10582036" "7127613" "8631078" "20080125096" "8850219" "20140012733" "9313627" "8190123" "20180309745" "20160164859" "20110291803" "20150350895" "20120324547" "9226147" "8549591" "20090247118" "20180241871" "8406792" "10778831" "20210021649" "8739272" "9413785" "8135845" "10594821" "20100023625" "10033725" "20110283110" "20140250492" "10742641" "20140032681"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/14 23:09

		"20060206566" "20180338008" "10200274" "8812589" "20020122543" "7734695" "10484482" "20160380937" "7653938" "10757006" "20200099675" "20190281465" "8185733" "10721198" "20170374044" "20110264733" "20110029898" "6009173" "20120297322").pn.				
S150	5	S149 and S147	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/14 23:10
S151	5,792	(send$3 transmit$5 transfer$3 forward$3 sent) near5 (text message) near10 ((simultaneous$3 parallel concurrent$4) near10 ((window session interface group user recipient)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/14 23:10
S152	11	S149 and S151	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/14 23:10
S153	20	(send$3 transmit$5 transfer$3 forward$3 sent) near5 (text message) near10 ((simultaneous$3 parallel concurrent$4)) and S149	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/14 23:13
S154	9	S153 not S152	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/14 23:13
S155	602	(H04L51/$ or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/$).cpc. and S147	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2021/03/14 23:14

			DERWENT; IBM_TDB			
S156	193	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/1069).cpc. and S147	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/14 23:14
S157	1	"10009300".pn.	USPAT	OR	ON	2021/03/14 23:18
S158	32	(US-20160261537-$ or US-20150319203-$ or US-20150099491-$ or US-20090177978-$ or US-20130185363-$ or US-20090125594-$ or US-20150256353-$ or US-20190036854-$ or US-20180139590-$ or US-20170373868-$ or US-20170078858-$ or US-20160241494-$ or US-20130268603-$ or US-20030084167-$ or US-20140149522-$ or US-20120240062-$ or US-20120296987-$ or US-20100325112-$ or US-20080263204-$ or US-20090059922-$ or US-20180239753-$ or US-20160253315-$ or US-20130097260-$ or US-20140096033-$).did. or (US-9374327-$ or US-8990329-$ or US-8103960-$ or US-8495660-$ or US-9026601-$ or US-10848445-$ or US-10193844-$ or US-10878478-$).did.	US-PGPUB; USPAT	OR	ON	2021/04/19 14:43
S159	7	(send$3 transmit$5 transfer$3 forward$3 sent) near5 (text message) near10 ((simultaneous$3 parallel concurrent$4)) and S158	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/19 14:43
S160	2	(LEE near3 Kee-Young).in. and message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2021/04/20 11:07

			DERWENT; IBM_TDB			
S161	155	(send$3 transmit$5 transfer$3 forward$3 sent) near5 (text message) near10 ((simultaneous$3 parallel concurrent$4)) with tag$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/20 11:13
S162	8	16/014,578	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/20 11:14
S163	1,095	"9882846" "20170272390" "10009300" "20170134316" "9712466" "20210044551" "20190238489" "10547575" "20160127282" "10805247" "20160085386" "20190138159" "20160088433" "10185458" "20140237126" "10572098" "20200153768" "20210044550" "10209852" "9225748" "20140066105" "20200099638" "8787888" "10025475" "20180203586" "20160285799" "10516635" "10728192" "20090113315" "10908803" "9152936" "2014055861" "10126927" "2904740" "20140101261" "10908802" "20150295872" "20170026317" "2013122630" "10623345" "10805257" "2815325" "10284718" "20150365364" "9501764" "8140980" "20050034079" "20200120051" "20180007200" "1661024" "20190394147" "2005017674" "1661024" "20170310826" "9661142" "10404636" "3580896" "2018231307" "2016154612" "20150172228" "10880243" "20130055099" "20180367483" "20120117153" "20050027669" "20190281422" "2018132644" "20140101263" ("9509642" "2953321" "20140122628"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/20 11:23

		"10904481" "9935979" "2953321" "20150350251" "2904740" "20090083115" "10423948" "9769313" "9860198" "10645041" "20190297039" "10348658" "20140101262" "20180367484" "10873548" "20120045045" "8583741" "10516636" "9325645" "2013028325" "20120046961" "2014116493" "20120044261" "20120044258" "2011137286" "10439970" "20200014646" "2018231306" "20200228477" "20200059445" "20210075753" "20110202594" "3580712" "7685237" "20170048174" "9560206" "8819726" "20190268289" "20110270609" "2011137303" "10664529" "20150110261" "20160294742" "20120144416" "20050125544" "9686212" "8898219" "7680895" "20040003041" "2003085539" "1495413" "20130055112" "20190036989" "10164924" "3541025" "20110270933" "2458535" "20200327171" "10523617" "3659327" "20190207897" "2013030829" "20050021445" "20180011848" "20130159432" "10887410" "20130080927" "20180026929" "20200092246" "20200106735" "20130205229" "20160241530" "10313292" "9043212" "10972547" "8626847" "2012051539" "2458540" "20200177651" "2016130466" "10817572" "10108613" "20190075065" "20120331066" "20110252093" "20150032686" "2458536" "2458539" "20190312828" "10728187" "9923982" "2019023596" "10834152" "9544257" "20100241972" "20060080432").pn.				
S164	0	S163 and S161	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/20 11:40

S165	4	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/1069).cpc. and S161	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/20 11:40
S166	8	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/$ or H04L65/$).cpc. and S161	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/20 11:41
S167	87	(send$3 transmit$5 transfer$3 forward$3 sent) near5 (text message) near10 ((simultaneous$3 parallel concurrent$4)) with ((attach$5 associat$5) near5 (ID destination recipient))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/20 11:45
S168	23	(send$3 transmit$5 transfer$3 forward$3 sent) near5 (text message) near10 ((simultaneous$3 parallel concurrent$4)) and S163	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/20 12:04
S169	193	(send$3 transmit$5 transfer$3 forward$3 sent copy) near5 (text message) near10 ((simultaneous$3 parallel concurrent$4)) with ((attach$5 associat$5) near5 (ID destination recipient channel room session))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/20 12:46
S170	87	(send$3 transmit$5 transfer$3 forward$3 sent) near5 (text message) near10 ((simultaneous$3 parallel concurrent$4)) with ((attach$5 associat$5) near5 (ID destination recipient))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/20 12:49
S171	193	(send$3 transmit$5 transfer$3 forward$3 sent copy) near5 (text message) near10 ((simultaneous$3 parallel concurrent$4)) with ((attach$5 associat$5) near5 (ID destination recipient channel room session))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/20 14:46

S172	87	(send$3 transmit$5 transfer$3 forward$3 sent) near5 (text message) near10 ((simultaneous$3 parallel concurrent$4)) with ((attach$5 associat$5) near5 (ID destination recipient))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/20 14:46
S173	106	S171 not S172	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/20 14:46
S174	11,111	(send$3 transmit$5 transfer$3 forward$3 sent copy cc) near5 (text chat message) near10 ((another second) near3 (room channel session))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/20 15:09
S175	11,163	(send$3 transmit$5 transfer$3 forward$3 sent copy cc imultaneous$3 parallel concurrent$4) near5 (text chat message) near10 ((another second) near3 (room channel session))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/20 15:09
S176	1,883	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/$ or H04L65/$).cpc. and S175	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/20 15:10
S177	926	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/1069).cpc. and S176	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/20 15:11
S178	11,029	(send$3 transmit$5 transfer$3 forward$3 sent copy cc imultaneous$3 parallel concurrent$4) near5 (chat message) near10 ((another second) near3 (room channel session))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/20 15:11

S179	11,029	(send$3 transmit$5 transfer$3 forward$3 sent copy cc imultaneous$3 parallel concurrent$4) near5 (chat message) near10 ((another second another) near3 (room channel session))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/20 15:11
S180	189	(copy cc imultaneous$3 parallel concurrent$4) near5 (chat message) near10 ((another second) near3 (room channel session))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/20 15:12
S181	193	(send$3 transmit$5 transfer$3 forward$3 sent copy) near5 (text message) near10 ((simultaneous$3 parallel concurrent$4)) with ((attach$5 associat$5) near5 (ID destination recipient channel room session))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/21 09:51
S182	87	(send$3 transmit$5 transfer$3 forward$3 sent) near5 (text message) near10 ((simultaneous$3 parallel concurrent$4)) with ((attach$5 associat$5) near5 (ID destination recipient))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/21 09:51
S183	106	S181 not S182	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/21 09:51
S184	189	(copy cc imultaneous$3 parallel concurrent$4) near5 (chat message) near10 ((another second) near3 (room channel session))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/21 09:51
S185	189	S184 not S183	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/21 09:51

S186	48	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/$ or H04L65/$).cpc. and S185	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/21 10:01
S187	1,325	(copy cc imultaneous$3 parallel concurrent$4) near5 (chat message) with (hash$4 tag$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/21 11:50
S188	268	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/$ or H04L65/$).cpc. and S187	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/21 11:51
S189	1,083	(copy cc imultaneous$3 parallel concurrent$4) near5 (chat message) near10 (hash$4 tag$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/21 11:52
S190	196	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/$ or H04L65/$).cpc. and S189	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/21 11:52
S191	1,095	"9882846" "20170272390" "10009300" "20170134316" "9712466" "20210044551" "20190238489" "10547575" "20160127282" "10805247" "20160085386" "20190138159" "20160088433" "10185458" "20140237126" "10572098" "20200153768" "20210044550" "10209852" "9225748" "20140066105" "20200099638" "8787888" "10025475" "20180203586" "20160285799" "10516635" "10728192" "20090113315" "10908803" "9152936" "2014055861"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/21 12:28

		"10126927" "2904740" "20140101261" "10908802" "20150295872" "20170026317" "2013122630" "10623345" "10805257" "2815325" "10284718" "20150365364" "9501764" "8140980" "20050034079" "20200120051" "20180007200" "1661024" "20190394147" "2005017674" "1661024" "20170310826" "9661142" "10404636" "3580896" "2018231307" "2016154612" "20150172228" "10880243" "20130055099" "20180367483" "20120117153" "20050027669" "20190281422" "2018132644" "20140101263" ("9509642" "2953321" "20140122628" "10904481" "9935979" "2953321" "20150350251" "2904740" "20090083115" "10423948" "9769313" "9860198" "10645041" "20190297039" "10348658" "20140101262" "20180367484" "10873548" "20120045045" "8583741" "10516636" "9325645" "2013028325" "20120046961" "2014116493" "20120044261" "20120044258" "2011137286" "10439970" "20200014646" "2018231306" "20200228477" "20200059445" "20210075753" "20110202594" "3580712" "7685237" "20170048174" "9560206" "8819726" "20190268289" "20110270609" "2011137303" "10664529" "20150110261" "20160294742" "20120144416" "20050125544" "9686212" "8898219" "7680895" "20040003041" "2003085539" "1495413" "20130055112" "20190036989" "10164924" "3541025" "20110270933" "2458535" "20200327171" "10523617" "3659327" "20190207897" "2013030829" "20050021445" "20180011848" "20130159432" "10887410" "20130080927" "20180026929" "20200092246" "20200106735" "20130205229" "20160241530"			

		"10313292" "9043212" "10972547" "8626847" "2012051539" "2458540" "20200177651" "2016130466" "10817572" "10108613" "20190075065" "20120331066" "20110252093" "20150032686" "2458536" "2458539" "20190312828" "10728187" "9923982" "2019023596" "10834152" "9544257" "20100241972" "20060080432").pn.				
S192	1	S191 and S189	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/21 12:28
S193	252	(simultaneous$3) near5 (chat message) with (hash$4 tag$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/21 12:29
S194	1,265	(copy cc simultaneous$3 parallel concurrent$4) near5 (chat message) near10 (hash$4 tag$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/04/21 12:29
S195	1,084	(display$5 show$4) near6 (confirm$5 indicat$5) near6 (message) near16 (deliver$5 reach$4)	USPAT	OR	ON	2021/04/22 15:51
S196	33	(copy cc simultaneous$3 parallel concurrent$4) near5 ((chat text) near5 message) near10 (hash$4 tag$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/24 22:33
S197	64	(copy cc simultaneous$3 parallel concurrent$4) near5 ((chat text) near5 message) near10 (multiple different several plurality) near5 ((chat$4 text$3 conversation) near5 (room window channel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/24 22:38

S198	0	(forward$5 near5 (simultaneous$3 parallel concurrent$4)) near5 ((chat text) near5 message) near10 (multiple different several plurality) near5 ((chat$4 text$3 conversation) near5 (room window channel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/24 22:53
S199	10	forward$5 near5 ((chat text) near5 message) near10 (multiple different several plurality) near5 ((chat$4 text$3 conversation) near5 (room window channel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/24 22:54
S200	10	forward$5 near5 ((chat text) near5 message) near10 (multiple different several plurality) near5 ((chat$4 text$3 conversation message) near5 (room window channel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/24 22:54
S201	22	(forward$5 broadcast$4) near5 ((chat text) near5 message) near10 (multiple different several plurality) near5 ((chat$4 text$3 conversation message) near5 (room window channel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/24 22:55
S202	12	S201 not S200	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/24 22:56
S203	242	(forward$5) near5 (chat text message) near10 (multiple different several plurality) near10 ((chat$4 text$3 conversation message) near3 (room window channel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/24 23:09
S204	13	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/12 or H04L65/1069).cpc. and S203	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/24 23:10

S205	24	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/$ or H04L65/1069).cpc. and S203	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/24 23:10
S206	25	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/$ or H04L65/$).cpc. and S203	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/24 23:10
S207	1	(forward$5) near5 (chat text message) near10 (multiple different several plurality) near10 ((chat$4 text$3 conversation message) near3 (room window channel) with (designation hash symbol tag))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/24 23:19
S208	42	(forward$3 send transmitting transmit transmission) near5 (tweet chat text message) near10 (multiple different several plurality) near10 ((chat$4 text$3 conversation message) near3 (room window channel) with (designation hash symbol tag))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/24 23:23
S209	32	("20130275596" | "20150131661" | "20110004878" | "9639379" | "20160182284" | "20180097701" | "10230601" | "20150163192" | "20170199755" | "20160105350" | "9065725").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/24 23:41
S210	242	(forward$5) near5 (chat text message) near10 (multiple different several plurality) near10 ((chat$4 text$3 conversation message) near3 (room window channel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/25 10:30
S211	9	"20140029701"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/25 10:37

S212	3	"20120239621"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/25 10:56
S213	3	"20120177067"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/25 11:00
S214	6	"20120134282"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/25 11:07
S215	3	"20120239621" and audio	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/25 12:43
S216	3	"20140029701" and (audio sound)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/25 12:44
S217	3	"20120177067" and (sound audio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/25 12:44
S218	1	"20120134282" and (audio sound)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/25 12:45

S219	1	"20120134282" and (audio sound) and synchronization	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/25 13:19
S220	1	"20120134282" and (audio sound) and (sync sync$3 synchroniz$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/25 13:20
S221	2	"20120177067" and (audio sound) and (sync sync$3 synchroniz$5) and (hash signature fingerprint)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/25 13:25
S222	2	"20120177067" and (hash signature fingerprint)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/25 13:29
S223	3	"20120239621" and (audio sound) and (sync sync$3 synchroniz$5) and (hash signature fingerprint)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/25 13:51
S227	58	(copy cc shar$4) near5 (chat) near10 ((multiple different several plurality) near5 ((chat$4 text$3 conversation message) near5 (room window channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/30 17:43
S228	448	(copy cc shar$4) near5 (chat text message) near10 ((multiple different several plurality) near5 ((chat$4 text$3 conversation message) near5 (room window channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/30 17:43

S229	100	S228 and chat	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/30 17:43
S230	92	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/$ or H04L65/$).cpc. and S228	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/30 17:45
S231	35	S229 not S230	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/30 17:45
S232	1	(copy cc shar$4) near5 (chat text message) near10 ((multiple different several plurality) near5 ((chat$4 text$3 conversation message) near5 (room window channel))) with ((receiver recipient destination target$4) near4 (ID identifier identification))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 12:55
S233	2	(copy cc shar$4) near5 (chat text message) near10 ((multiple different several plurality) near5 ((chat$4 text$3 conversation message) near5 (room window channel))) with ((receiver recipient destination target$4) near4 (ID identifier identification window room window))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 12:59
S234	58	(copy cc shar$4) near5 (chat text message) near10 (multiple different several plurality) near8 ((receiver recipient destination target$4) near4 (ID identifier identification window room window))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 13:01
S235	975	(copy cc shar$4) near5 (chat text message) near10 ((multiple different several plurality) near5 ((chat$4 text$3 conversation message discussion) near5 (room window	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2021/05/31 14:14

		channel session group)) chatroom chat-room)	DERWENT; IBM_TDB			
S236	101	(copy cc shar$4) near5 (chat text message) near10 ((multiple different several plurality) near5 ((chat$4 text$3 conversation message discussion) near5 (room window channel session group)) chatroom chat-room) same ((receiver recipient destination target$4 room window channel session group) near4 (ID identifier identification name))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 14:18
S237	58	(copy cc shar$4) near5 (chat text message) near10 (multiple different several plurality) near8 ((receiver recipient destination target$4) near4 (ID identifier identification window room window))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 15:02
S238	101	(copy cc shar$4) near5 (chat text message) near10 ((multiple different several plurality) near5 ((chat$4 text$3 conversation message discussion) near5 (room window channel session group)) chatroom chat-room) same ((receiver recipient destination target$4 room window channel session group) near4 (ID identifier identification name))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 15:02
S239	58	(copy cc shar$4) near5 (chat text message) near10 (multiple different several plurality) near8 ((receiver recipient destination target$4) near4 (ID identifier identification window room window))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 15:38
S240	101	(copy cc shar$4) near5 (chat text message) near10 ((multiple different several plurality) near5 ((chat$4 text$3 conversation message discussion) near5 (room window channel session group)) chatroom chat-room) same ((receiver recipient destination target$4 room window channel session group) near4 (ID identifier identification name))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 15:38
S241	92	S240 not S239	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2021/05/31 15:38

			JPO; DERWENT; IBM_TDB			
S242	178	((copy cc shar$4) near5 (chat text message) near10 (multiple different several plurality)) with ((receiver recipient destination target$4 room window channel session group) near4 (ID identifier identification name))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 15:56
S243	101	(copy cc shar$4) near5 (chat text message) near10 ((multiple different several plurality) near5 ((chat$4 text$3 conversation message discussion) near5 (room window channel session group)) chatroom chat-room) same ((receiver recipient destination target$4 room window channel session group) near4 (ID identifier identification name))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 16:27
S244	178	((copy cc shar$4) near5 (chat text message) near10 (multiple different several plurality)) with ((receiver recipient destination target$4 room window channel session group) near4 (ID identifier identification name))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 16:27
S245	101	(copy cc shar$4) near5 (chat text message) near10 ((multiple different several plurality) near5 ((chat$4 text$3 conversation message discussion) near5 (room window channel session group)) chatroom chat-room) same ((receiver recipient destination target$4 room window channel session group) near4 (ID identifier identification name))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 17:01
S246	178	((copy cc shar$4) near5 (chat text message) near10 (multiple different several plurality)) with ((receiver recipient destination target$4 room window channel session group) near4 (ID identifier identification name))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 17:01
S247	127	S246 not S245	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2021/05/31 17:01

			DERWENT; IBM_TDB			
S248	25	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/$ or H04L65/$).cpc. and S247	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 17:04
S249	47	(US-20160261537-$ or US-20150319203-$ or US-20150099491-$ or US-20090177978-$ or US-20130185363-$ or US-20090125594-$ or US-20150256353-$ or US-20190036854-$ or US-20180139590-$ or US-20170373868-$ or US-20170078858-$ or US-20160241494-$ or US-20130268603-$ or US-20030084167-$ or US-20140149522-$ or US-20120240062-$ or US-20120296987-$ or US-20100325112-$ or US-20080263204-$ or US-20090059922-$ or US-20180239753-$ or US-20160253315-$ or US-20130097260-$ or US-20140096033-$ or US-20160284031-$ or US-20130073636-$).did. or (US-20190319900-$ or US-20180324116-$ or US-20160337291-$ or US-20160057093-$ or US-20150081790-$ or US-20140040784-$ or US-20120158878-$ or US-20070136430-$ or US-20110281596-$).did. or (US-9374327-$ or US-8990329-$ or US-8103960-$ or US-8495660-$ or US-9026601-$ or US-10848445-$ or US-10193844-$ or US-10878478-$ or US-10659243-$ or US-9621500-$ or US-9667769-$ or US-10122662-$).did.	US-PGPUB; USPAT	OR	ON	2021/05/31 17:09

S250	5	S249 and ((copy cc shar$4 forward$5 send$4 transmit$4) near5 (chat text message) near10 (multiple different several plurality)) with ((receiver recipient destination target$4 room window channel session group) near4 (ID identifier identification name))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 17:09
S251	1	(copy cc shar$4) near5 (IM) near10 ((multiple different several plurality) near5 ((chat$4 text$3 conversation message) near5 (room window channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 17:10
S252	5	(copy cc shar$4) near5 (IM) near10 ((multiple different several plurality) near5 ((chat$4 text$3 conversation message discussion) near5 (room window channel)) chatroom chat-room)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 17:11
S253	9	S249 and (copy cc shar$4) near5 (chat text message) near10 ((multiple different several plurality) near5 ((chat$4 text$3 conversation message) near5 (room window channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 17:14
S254	8	"15810399"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 17:20
S255	0	"10594502".pn. and (display$4 near5 chat near5 room)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 17:23
S256	1	"10594502".pn. and ((display$4 present$4) near5 room)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 17:23

S257	11	S249 and twitter	US-PGPUB; USPAT	OR	ON	2021/05/31 17:26
S258	0	S249 and ((copy cc shar$4 forward$5 send$4 transmit$4) near5 (chat text message) near10 (multiple different several plurality)) with (hashtag "1"$hashtag)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 17:42
S259	0	S249 and ((copy cc shar$4 forward$5 send$4 transmit$4) near5 (chat text message) near10 (multiple different several plurality)) with (hashtag $1hashtag)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 17:43
S260	7	((copy cc shar$4 forward$5 send$4 transmit$4) near5 (chat text message) near10 (multiple different several plurality)) with (hashtag "1"$hashtag)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 17:44
S261	0	((copy cc shar$4) near5 (chat text message) near10 (multiple different several plurality)) with ((receiver recipient destination target$4 room window channel session group) near4 (hashtag $1hashtag))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 17:44
S262	0	((copy cc shar$4) near5 (chat text message) near10 ((multiple different several plurality)) near5 (receiver recipient destination target$4 room window channel session group)) with (hashtag $1hashtag)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 17:45
S263	1	((copy cc shar$4 forward$5 send$4 transmit$4) near10 (chat text message) near10 ((multiple different several plurality)) near5 (receiver recipient destination target$4 room window channel session group)) with (hashtag $1hashtag)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 17:47
S264	0	(copy cc shar$4 forward$5 send$4 transmit$4) near10 (chat text message) near10 ((multiple different several plurality) near5 (receiver recipient destination target$4 room	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2021/05/31 17:47

		window channel session group)) with (hashtag $1hashtag)	DERWENT; IBM_TDB			
S265	96	(copy cc shar$4 forward$5 send$4 transmit$4) near10 (chat text message) with (receiver recipient destination target$4 room window channel session group) with (hashtag $1hashtag)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 17:49
S266	6	"20080075428"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/31 22:21
S277	464	("10594502" "10999089" "10616156" "9253306" "20110209069" "20110047246" "20110110364" "8755372" "8909693" "20090019367" "20200294636" "20200279626" "10672508" "20180198692" "20100217837" "20150074259" "20150347683" "8543665" "20160277261" "9569587" "10403394" "20040230659" "20200176095" "20160330200" "20170344703" "20200013492" "20160165184" "20140025766" "9402054" "20130007150" "8861537" "9462036" "20050038876" "20080063159" "20110202594" "9015297" "20040030750" "20120311060" "8959030" "9043212" "8250150" "20050198299" "20110202439" "20080086564" "8856236" "20110202347" "8924217" "9489658" "8316128" "20040003041" "8898219" "20150110261" "20110209195" "20050198125" "10382475" "8880401" "8434128" "20110209196" "6909708" "20080313265" "10701206" "20170054665" "5867494" "8607325" "8094647" "8289951" "20080095339" "7869425" "20080049919" "8572269" "20090109959" "7145898"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/03 11:30

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		"20040064351" "7987491" "20180198745" "8223955").pn.				
S278	46	S277 and ((delivery transmission) near5 (receipt confirming confirm confirmation validat$5))	US-PGPUB; USPAT	OR	ON	2021/06/03 11:35
S279	25	S277 and (group$5 near5 (messages conversation chat talk) near9 (participants users))	US-PGPUB; USPAT	OR	ON	2021/06/03 11:45
S280	0	S277 and (grouping near5 (messages conversation chat talk) near9 (participants users))	US-PGPUB; USPAT	OR	ON	2021/06/03 11:47
S281	0	S277 and ((grouping separating) near5 (messages conversation chat talk) near9 (participants users))	US-PGPUB; USPAT	OR	ON	2021/06/03 11:48
S282	1,290	((grouping separating) near5 (messages conversation chat talk) near9 (participants users))	US-PGPUB; USPAT	OR	ON	2021/06/03 11:48
S283	1,519	((grouping separating) near5 (messages conversation chat talk) near9 (participants users))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/03 11:48
S284	0	((grouping separating) near5 (messages conversation chat talk) near9 (each near2 (participants users)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/03 11:48
S285	1	((grouping separating) near5 (messages conversation chat talk) near9 ((each every) near2 (participants users)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/03 11:49
S286	14	((grouping separate$3 segregate$3 isolate$4) near5 (messages conversation chat talk) near9 ((each every) near2 (participants users)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/03 11:50
S287	6	"20110078628"	US-PGPUB; USPAT; USOCR;	OR	ON	2021/06/03 12:13

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S288	1	((cross across) near2 (copy cc shar$4 exchang$4) near5 (chat text message IM) near10 (multiple different several plurality)) with ((receiver recipient destination target$4 room window channel session group) near4 (ID identifier identification name))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/03 17:04
S289	0	((cross across) near2 (copy cc shar$4 exchang$4 transmission) near5 (chat text message IM) near10 (multiple different several plurality) near5 (room window channel)) with ((receiver recipient destination target$4 room window channel session group) near4 (ID identifier identification name))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/03 17:15
S290	0	((cross across) near2 (copy cc shar$4 exchang$4 transmission) near5 (chat text message IM) near10 (multiple different several plurality) near5 (room window channel)) with ((receiver recipient destination target$4 room window channel session group) near4 (hashtag ID identifier identification name))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/03 20:58
S291	30	((cross across) near2 (copy cc shar$4 exchang$4 transmission) near5 (chat text message IM) near10 (multiple different several plurality) near5 (room window channel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/03 20:59
S292	113	((cross across) near2 (copy cc shar$4 exchang$4 relation interaction communication transmission transfer$4) near5 (chat text message IM) near10 (multiple different several plurality) near5 (room window channel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/03 21:03
S293	29	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/$ or H04L65/$ H04L61/$ H04L69/$ H04L12/$ H04L51/046 H04L51/046).cpc. and S292	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2021/06/03 21:05

			DERWENT; IBM_TDB			
S294	464	("10594502" "10999089" "10616156" "9253306" "20110209069" "20110047246" "20110110364" "8755372" "8909693" "20090019367" "20200294636" "20200279626" "10672508" "20180198692" "20100217837" "20150074259" "20150347683" "8543665" "20160277261" "9569587" "10403394" "20040230659" "20200176095" "20160330200" "20170344703" "20200013492" "20160165184" "20140025766" "9402054" "20130007150" "8861537" "9462036" "20050038876" "20080063159" "20110202594" "9015297" "20040030750" "20120311060" "8959030" "9043212" "8250150" "20050198299" "20110202439" "20080086564" "8856236" "20110202347" "8924217" "9489658" "8316128" "20040003041" "8898219" "20150110261" "20110209195" "20050198125" "10382475" "8880401" "8434128" "20110209196" "6909708" "20080313265" "10701206" "20170054665" "5867494" "8607325" "8094647" "8289951" "20080095339" "7869425" "20080049919" "8572269" "20090109959" "7145898" "5999525" "8706835" "20030185232" "20020064149" "10530598" "8194646" "20110225293" "20020122391" "20090213844" "7761526" "20080049914" "20070294336" "20080056462" "7849205" "10015169" "20050249196" "20110209194" "9215236" "20150172228" "7466810" "20110209193" "20030187641" "6335927" "20180007081" "20080049910" "20130315227" "6754181" "8027335" "20140267571" "8498290"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/03 23:54

		"9369673" "20080056476" "6731625" "20130097333" "20180004375" "8578039" "9154735" "20180367506" "20140313282" "20160226823" "7856471" "20160105641" "20200228363" "20170041296" "20190222560" "8832187" "10764254" "10033702" "20030120593" "20100296641" "20130159443" "20170085712" "8832301" "20190087707" "5867495" "9525849" "20030078972" "8396490" "20130282421" "20110072367" "9800726" "20130144951" "20140343994" "20150254679" "20170054846" "20140279276" "20160088155" "20140317532" "9210266" "20150142906" "20020143876" "20110251868" "7957991" "8560366" "20170331957" "20030187800" "20170142076" "20150310188" "9762553" "9613190" "20140358632" "20060178918" "20160227040" "8954349" "8396489" "20140351586" "7299257" "8842841" "20140164776" "9922345" "20130156167" "8032409" "20120089410" "20080089506" "20110055309" "9338027" "9781385" "7092370" "8693377" "9819800" "20140126715" "20150063557" "20150269617" "20160165051" "20020057678" "20170063768" "9986099" "20040064351" "7987491" "20180198745" "8223955").pn.				
S295	143	(copy cc shar$4 forward$5 send$4 transmit$4) near10 (chat text message) with (receiver recipient destination target$4 room window channel session group) and S294	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/03 23:54
S296	436	(Cohen near3 Marc).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2021/06/03 23:56

			DERWENT; IBM_TDB			
S297	9	(Cohen near3 Marc).in. and (Wrinkl).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/03 23:56
S298	47	(US-20160261537-$ or US-20150319203-$ or US-20150099491-$ or US-20090177978-$ or US-20130185363-$ or US-20090125594-$ or US-20150256353-$ or US-20190036854-$ or US-20180139590-$ or US-20170373868-$ or US-20170078858-$ or US-20160241494-$ or US-20130268603-$ or US-20030084167-$ or US-20140149522-$ or US-20120240062-$ or US-20120296987-$ or US-20100325112-$ or US-20080263204-$ or US-20090059922-$ or US-20180239753-$ or US-20160253315-$ or US-20130097260-$ or US-20140096033-$ or US-20160284031-$ or US-20130073636-$).did. or (US-20190319900-$ or US-20180324116-$ or US-20160337291-$ or US-20160057093-$ or US-20150081790-$ or US-20140040784-$ or US-20120158878-$ or US-20070136430-$ or US-20110281596-$).did. or (US-9374327-$ or US-8990329-$ or US-8103960-$ or US-8495660-$ or US-9026601-$ or US-10848445-$ or US-10193844-$ or US-10878478-$ or US-10659243-$ or US-9621500-$ or US-9667769-$ or US-10122662-$).did.	US-PGPUB; USPAT	OR	ON	2021/06/04 18:52

S299	21	S298 and ((prevent block) near5 (messag$5 chat$4))	US-PGPUB; USPAT	OR	ON	2021/06/04 18:53
S300	27	S298 and ((prevent$4 block$4 mut$4) near5 (messag$5 chat$4))	US-PGPUB; USPAT	OR	ON	2021/06/04 18:59
S301	6	S300 not S299	US-PGPUB; USPAT	OR	ON	2021/06/04 18:59
S302	16,014	(interconnect$4 link$4 inter-connect$4) with (((chat$4 text$3 conversation message discussion) near5 (room window channel)) chatroom chat-room)	US-PGPUB; USPAT	OR	ON	2021/06/04 19:04
S303	3,584	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/$ or H04L65/$ H04L61/$ H04L69/$ H04L12/$ H04L51/046 H04L51/046).cpc. and S302	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/04 19:05
S304	14,630	(interconnect$4 link$4 inter-connect$4) near10 (((chat$4 text$3 conversation message discussion) near5 (room window channel)) chatroom chat-room)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/04 19:06
S305	450	(copy cc shar$4) near5 (chat text message) near10 ((multiple different several plurality) near5 ((chat$4 text$3 conversation message) near5 (room window channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/04 19:13
S306	110	S304 and S305	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/04 19:13
S307	1,711	(interconnect$4 link$4 inter-connect$4) near10 (((chat$4 text$3 conversation message discussion) near5 (room window channel)) chatroom chat-room) near10 (multiple different several plurality two)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/04 19:14
S308	422	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/$ or H04L65/$ H04L61/$	US-PGPUB; USPAT; USOCR;	OR	ON	2021/06/04 19:15

		H04L69/$ H04L12/$ H04L51/046 H04L51/046).cpc. and S307	FPRS; EPO; JPO; DERWENT; IBM_TDB			
S309	516	(interconnect$4 link$4 inter-connect$4) near10 (((IM instant chat$4 text$3 conversation messaging discussion) near5 (room window channel)) chatroom chat-room) near10 (multiple different several plurality two)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/04 19:17
S310	149	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/$ or H04L65/$ H04L61/$ H04L69/$ H04L12/$ H04L51/046 H04L51/046).cpc. and S309	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/04 19:19
S311	14,630	(interconnect$4 link$4 inter-connect$4) near10 (((chat$4 text$3 conversation message discussion) near5 (room window channel)) chatroom chat-room)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/04 20:15
S312	450	(copy cc shar$4) near5 (chat text message) near10 ((multiple different several plurality) near5 ((chat$4 text$3 conversation message) near5 (room window channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/04 20:15
S313	110	S311 and S312	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/04 20:15
S314	516	(interconnect$4 link$4 inter-connect$4) near10 (((IM instant chat$4 text$3 conversation messaging discussion) near5 (room window channel)) chatroom chat-room) near10 (multiple different several plurality two)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/04 20:15
S315	149	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/$ or H04L65/$ H04L61/$	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2021/06/04 20:15

		H04L69/$ H04L12/$ H04L51/046 H04L51/046).cpc. and S314	JPO; DERWENT; IBM_TDB			
S316	143	S315 not S313	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/04 20:15
S317	0	S316 and S312	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/04 20:18
S318	0	S316 and S313	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/04 20:18
S319	48	(copy cc shar$4) near5 (chat text message) and S316	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/04 20:20
S320	2,575,054	(administrator admin moderator) near5 (mut$3 silent) near18 (everyone all entire) nea5 (chatroom chat-room room)	US-PGPUB; USPAT	OR	ON	2021/06/04 20:45
S321	4,712,904	(administrator admin moderator) near5 (mut$3 silent) near18 (everyone all entire) nea5 (chatroom chat-room room)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/04 20:45
S322	1	(administrator admin moderator) near5 (mut$3 silent) near18 (everyone all entire) near5 (chatroom chat-room room)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/04 20:47

S323	1	(administrator admin moderator) near5 (mut$3 silent) near18 (everyone all entire whole every) near5 (chatroom chat-room room)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/04 20:47
S324	0	(administrator admin moderator) near5 (mut$3 silent) near18 (everyone all entire whole every) near5 ((chat$4 text$3 conversation message) near5 (room window channel) chatroom)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/04 20:48
S325	0	(administrator admin moderator) near10 (mut$3 silent) near18 (everyone all entire whole every) near10 ((chat$4 text$3 conversation message) near5 (room window channel) chatroom)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/04 20:49
S326	0	(administrator admin moderator) near10 (mut$3 silent) near18 (everyone all entire whole ever eachy) near10 ((chat$4 text$3 conversation message) near5 (room window channel) chatroom)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/04 20:49
S327	0	(administrator admin moderator) near10 (mut$3 silent) near18 (everyone all entire whole every each) near10 ((chat$4 text$3 conversation message IM messenger instant) near5 (room window channel) chatroom)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/04 20:50
S328	0	(administrator admin moderator) near10 (mut$3 silent prevent$4) near18 (everyone all entire whole every each) near10 ((chat$4 text$3 conversation message IM messenger instant) near5 (room window channel) chatroom)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/04 20:50
S329	14	(administrator admin moderator) near10 (mut$3 silent prevent$4 prohibited) near10 ((chat$4 text$3 conversation message IM messenger instant) near5 (room window channel) chatroom)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/04 20:51

S330	14	(administrator admin moderator) near10 (mut$3 silent prevent$4 prohibit$4) near10 ((chat$4 text$3 conversation message IM messenger instant) near5 (room window channel) chatroom)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/04 20:51
S331	47	(US-20160261537-$ or US-20150319203-$ or US-20150099491-$ or US-20090177978-$ or US-20130185363-$ or US-20090125594-$ or US-20150256353-$ or US-20190036854-$ or US-20180139590-$ or US-20170373868-$ or US-20170078858-$ or US-20160241494-$ or US-20130268603-$ or US-20030084167-$ or US-20140149522-$ or US-20120240062-$ or US-20120296987-$ or US-20100325112-$ or US-20080263204-$ or US-20090059922-$ or US-20180239753-$ or US-20160253315-$ or US-20130097260-$ or US-20140096033-$ or US-20160284031-$ or US-20130073636-$).did. or (US-20190319900-$ or US-20180324116-$ or US-20160337291-$ or US-20160057093-$ or US-20150081790-$ or US-20140040784-$ or US-20120158878-$ or US-20070136430-$ or US-20110281596-$).did. or (US-9374327-$ or US-8990329-$ or US-8103960-$ or US-8495660-$ or US-9026601-$ or US-10848445-$ or US-10193844-$ or US-10878478-$ or US-10659243-$ or US-9621500-$ or US-9667769-$ or US-10122662-$).did.	US-PGPUB; USPAT	OR	ON	2021/06/04 21:29
S332	27	S331 and ((prevent$4 block$4 mut$4) near5 (messag$5 chat$4))	US-PGPUB; USPAT	OR	ON	2021/06/04 21:29

S333	0	S331 and ((replay) near5 (privat$5))	US-PGPUB; USPAT	OR	ON	2021/06/04 21:30
S334	0	S331 and ((reply) near5 (privat$5))	US-PGPUB; USPAT	OR	ON	2021/06/04 21:30
S335	0	S331 and ((reply respon$4) near5 (privat$5))	US-PGPUB; USPAT	OR	ON	2021/06/04 21:31
S336	118	((chat$4 text$3 conversation message IM messenger instant) near5 (room window channel) chatroom) with ((reply respon$4) near5 (privat$5))	US-PGPUB; USPAT	OR	ON	2021/06/04 21:31
S337	4	((chat$4 text$3 conversation message IM messenger instant) near5 (room window channel) chatroom) with ((reply respon$4) near5 (grouped))	US-PGPUB; USPAT	OR	ON	2021/06/04 21:39
S338	685	((chat$4 text$3 conversation message IM messenger instant) near5 (room window channel) chatroom) with ((reply respon$4) near5 (group$4 cluster$4))	US-PGPUB; USPAT	OR	ON	2021/06/04 21:42
S339	651	((chat$4 text$3 conversation message IM messenger instant) near5 (room window channel) chatroom) with ((reply respon$4) near5 (group$4))	US-PGPUB; USPAT	OR	ON	2021/06/04 21:43
S340	298	(H04L51/046 or H04L51/36 or H04L51/18 or H04L51/16 or H04L51/$ or H04L65/$ H04L61/$ H04L69/$ H04L12/$ H04L51/046 H04L51/046).cpc. and S339	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/06/04 21:46
S341	50	((chat$4 text$3 conversation message IM messenger instant) near5 (room window channel) chatroom) with ((reply respon$4) near5 (grouping grouped cluster$4))	US-PGPUB; USPAT	OR	ON	2021/06/04 21:49
S342	46	(((chat$4 text$3 conversation message IM messenger instant) near5 (room window channel)) chatroom chat-room) same ((reply respon$4) near5 (grouping grouped))	US-PGPUB; USPAT	OR	ON	2021/06/04 22:04
S343	108	(((chat$4 text$3 conversation message IM messenger instant) near5 (room window channel)) chatroom chat-room) same2 ((reply	US-PGPUB; USPAT	OR	ON	2021/06/04 22:40

		respon$4) near5 (grouping grouped))				
S344	62	S343 not S342	US-PGPUB; USPAT	OR	ON	2021/06/04 22:43

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"20120240062"	US-PGPUB; USPAT	OR	ON	2021/06/05 22:45
L3	1	"Term Removed"	US-PGPUB	OR	ON	2021/06/05 22:47
S349	23	Cohen.in. and (message same (first with channel) same (second with channel)).clm.	US-PGPUB; USPAT	OR	ON	2021/06/05 17:32
S350	4	Cohen.in. and (text same message same (first with channel) same (second with channel)).clm.	US-PGPUB; USPAT	OR	ON	2021/06/05 17:32
S351	0	Cohen.in. and (designation same text same message same (first with channel) same (second with channel)).clm.	US-PGPUB; USPAT	OR	ON	2021/06/05 17:33
S352	0	Cohen.in. and (designation same replay same message same (first with channel) same (second with channel)).clm.	US-PGPUB; USPAT	OR	ON	2021/06/05 17:33
S353	4	Cohen.in. and ((text chat) same message same (first with channel) same (second with channel)).clm.	US-PGPUB; USPAT	OR	ON	2021/06/05 17:33
S354	0	Cohen.in. and ((text chat) same message same chatroom).clm.	US-PGPUB; USPAT	OR	ON	2021/06/05 17:34

6/5/2021 11:20:26 PM
C:\Users\adoshi1\Documents\EAST\Workspaces\16014578_2.wsp

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:	16/014,578
First Named Inventor:	Marc A. COHEN
Filed:	June 21, 2018
Title:	PARALLEL MESSAGING APPARATUS AND METHOD THEREOF
Group Art Unit:	2423
Examiner:	Akshay DOSHI
Confirmation No.:	7094
Docket No.:	W1186/20011

REQUEST FOR RECONSIDERATION UNDER 37 CFR 1.116

EXPEDITED PROCEDURE

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

Sir:

INTRODUCTORY COMMENTS

Responsive to the Office Action dated June 17, 2021, reconsideration of the Final Rejection of Applicant's claims is respectfully requested as follows:

- **Remarks/Arguments** begin on page **2** of this paper.
- The Commissioner for Patents is hereby authorized to charge payment for any additional fee which may be required or to credit any overpayment to Deposit Account No. **03-0075**.
- Any response in this application requiring a petition for extension of time, but failing to include one, should be treated as though it does include the required petition for extension of time.

Electronic Acknowledgement Receipt

EFS ID:	43175309
Application Number:	16014578
International Application Number:	
Confirmation Number:	7094
Title of Invention:	PARALLEL MESSAGING APPARATUS AND METHOD THEREOF
First Named Inventor/Applicant Name:	Marc A. Cohen
Customer Number:	3000
Filer:	Michael Cornelison/Robin Wilson
Filer Authorized By:	Michael Cornelison
Attorney Docket Number:	W1186/20011
Receipt Date:	06-JUL-2021
Filing Date:	21-JUN-2018
Time Stamp:	14:31:49
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Amendment/Req. Reconsideration-After Non-Final Reject	W118620011_Request_for_Reconsideration.pdf	1282245 4406c9ba869a16e932df3a55515ed9905decd2b2	no	12

Warnings:

Information:	
Total Files Size (in bytes):	1282245

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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:	16/014,578
First Named Inventor:	Marc A. COHEN
Filed:	June 21, 2018
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Group Art Unit:	2423
Examiner:	Akshay DOSHI
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REQUEST FOR RECONSIDERATION UNDER 37 CFR 1.116

EXPEDITED PROCEDURE

Commissioner for Patents
P.O. Box 1450
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REMARKS/ARGUMENTS

Applicant respectfully traverses the rejection under 35 U.S.C. §103 that is based on the combination of Lee, Soroker and Blair. Generally speaking, and for illustrative purposes only, the basis of the traversal is a mismatch between: a) Applicant claiming transmission of one message to two recipients in two respective channels; and b) Lee disclosing transmission of one message to two recipients in one channel. The secondary references do not make up for the deficiency in Lee. Applicant will provide his argument in much further detail below.

Claims 1, 6, 9-10, 12, 14, 16, 19, and 21-46 are pending. All pending claims have been examined and all pending claims are rejected.

The statements set forth in the outstanding Office Action under the heading "Priority" are acknowledged. The present application relates to a messaging system. Messaging systems are well known to be based on the concept of channels. Communication within a channel is well known to be limited to the participants of that channel. If Bob and Charize are members of a channel, and Danielle is not a member of that channel, then communication in that channel between Bob and Charize is not received by Danielle.

In an exemplary embodiment of the present invention, a user that is transmitting a message in a first channel can also cause the message that is transmitted in the first channel to be transmitted in the second channel. For example, assume the following scenario:

First Channel Members: Bob and Charize

Second Channel Members: Bob and Danielle

Before a message in transmitted in the first channel, Bob indicates that the message is also to be transmitted in the second channel. Bob then transmits the message in the first channel and towards Charize. As a result of Bob's actions, when the message is transmitted in the first channel toward Charize, it is also transmitted in the second channel towards Danielle.

Note that the transmission of Bob's message in the first channel (towards Charize) and in the second channel (towards Danielle) is completely different than Bob being in a single group channel with BOTH Charize and Danielle, and Bob sending a group message to Charize and Danielle within that single channel.

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Applicant explained the above details in the previous Amendment that Applicant filed on March 10, 2021. Some of those details (to the extent they describe an exemplary embodiment of the present invention) are very important to understand the difference between the prior art of record and Applicant's claims, and therefor Applicant will repeat those exemplary details here.

Applicant's Fig. 11A shows screen shot 1101, 1102, 1103 and 1104 where a plurality of participants are exchanging messages in Channel A, Channel B and Channel C. Screen shot 1101 also shows a text entry bar (shown in this example in the box at the bottom of screen shot 1101) in which text is entered by a "first" participant while in Channel A:

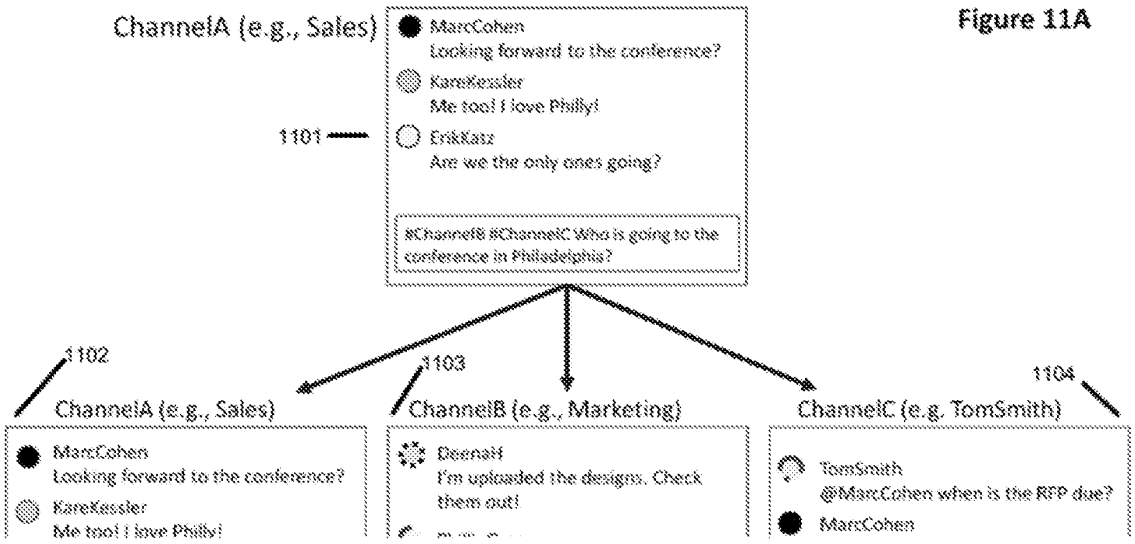
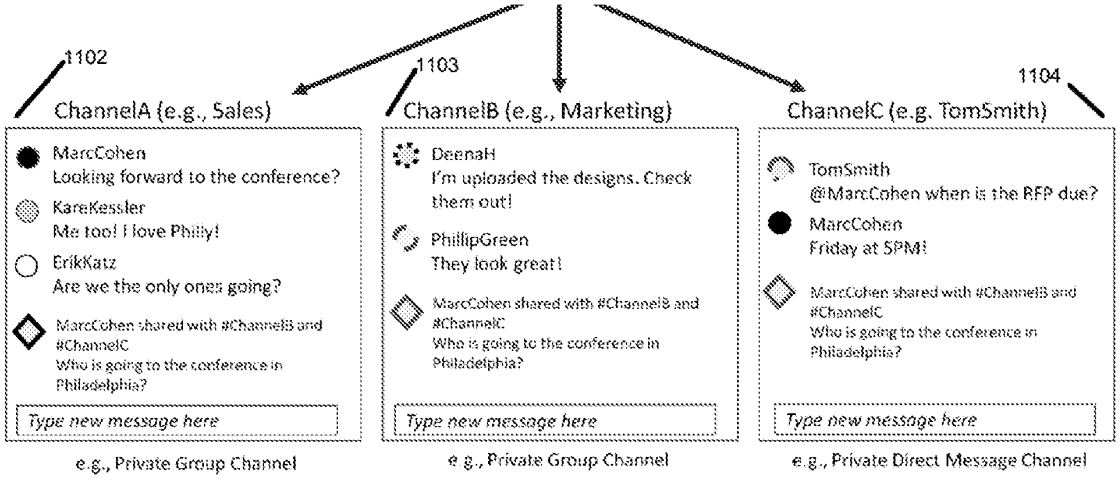


Figure 11A

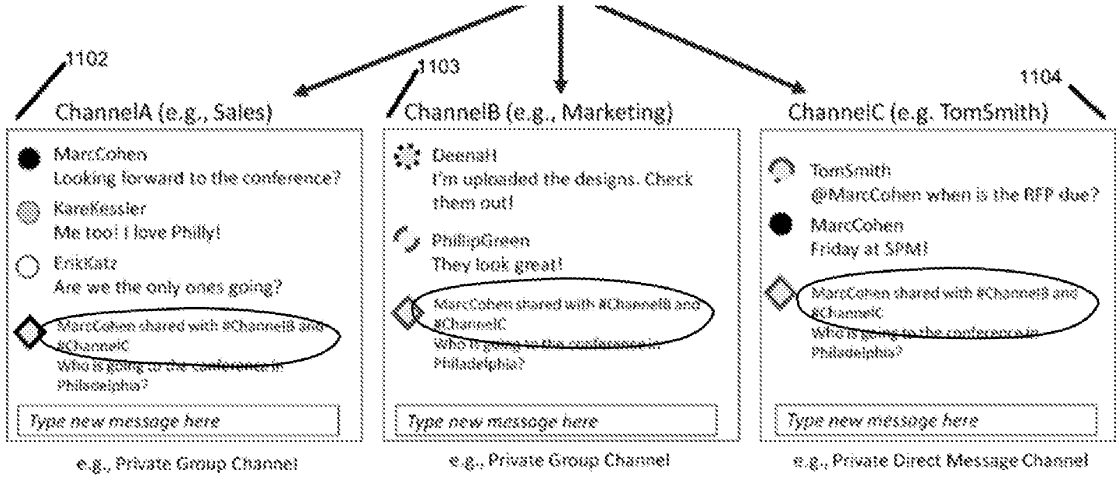
Before a "first" participant transmits a "first" message in Channel A, the first participant designates that the "first" message is also to be transmitted in Channel B. As explained below, the transmission of MarcCohen's "first" message in Channel B is lacking from the prior art of record. See also Paragraph 0152:

[0152] Returning to FIG. **11**A, as shown, MarcCohen types the name of the channel and precedes the name of the channel with a character that indicates that the channels being designated as a recipient of the message. Thus, in the example shown, MarcCohen has typed "#ChannelB #ChannelC". In this manner, MarcCohen has indicated that channel B and channel C are also to receive the message.

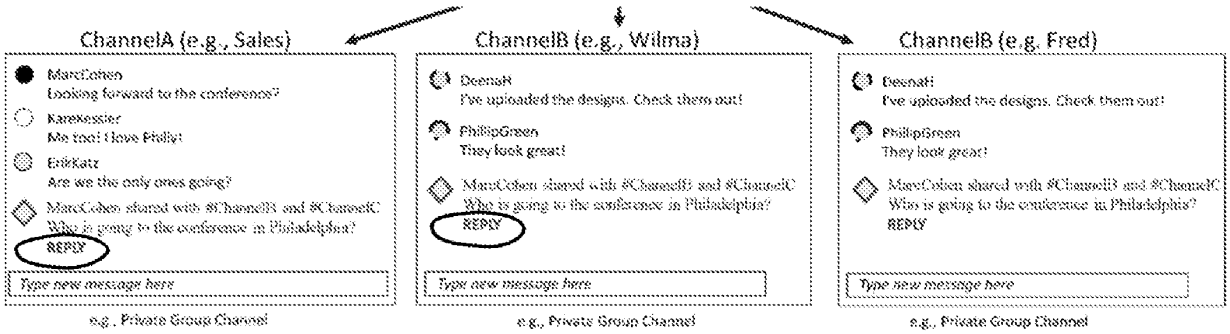
The "first" message is then transmitted in Channel A ("said first channel") and Channel B ("said second channel). Note below how after MarcCohen's first message is transmitted, MarcCohen's first message "Who is going to the conference in Philadelphia?" appears in Channel A, Channel B, and Channel C. In an exemplary embodiment, the first message is transmitted in Channel A by default.



An indication is provided in at least one of the channels that the message was transmitted in multiple channels. See Fig. 11A:



Participants in at least two channels can reply to the transmitted message. Note the REPLY function in each Channel in Fig. 15A:



Applicant's claims have been rejected under 35 U.S.C. 103 as being unpatentable over Lee (US 2013/0097260), Soroker (US 10,659,243) and Blair (US 2014/0096033). It is respectfully submitted, however, that Applicant's claims are patentable over the art of record for the reasons set forth below.

Before distinguishing between the prior art of record and Applicant's claim 1, Applicant will provide a detailed analysis of Lee. This detailed analysis is important to understand that Lee and Applicant's claim 1 are different.

Lee discloses one sender sending one initial message to multiple recipients in a single channel.

The channel is referred to by Lee as a 1:N channel. Lee spawns that channel for the first time with a message that is transmitted to multiple channel members, and then exchanges replies with those channel members on a private basis. Again, when the recipients send their respective replies to the sender, the replies are sent to the sender in the same channel that the sender sent his initial message. The replies are sent in such a way that each recipient cannot see any other recipients reply, but the initial message and the recipient's replies are all sent to each other in the same channel.

Lee explains the concept of a channel at paragraph [0096]. The nomenclature he uses to refer to that channel is "1:N". According to his paragraph [0096], the following events occur in his 1:N channel: 1) a first (1:N) message is sent from a sender terminal to a plurality of recipients; 2) a second (reply) message is transmitted from at least one of the recipients to the

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sender terminal; and 3) a third (reply) message is transmitted from the sender terminal to the recipient that transmitted the second message.

Lee's scenario (above) takes place in a single channel in which the messages visible to everyone in the group is limited to just the first message. Lee's "1:N" channel requires that subsequent recipient responses be visible to just the sender and respective recipients that sent the responses.

Lee illustrates the above scenario in his FIG. 8A, 8B and 8C, all of which show communication occurring in a single "1:N" message channel.

Lee's FIG. 8A illustrates that Mr. A has created a "1:N" message channel. The members of the 1:N message channel are Mr. A, Mr. B and Mr. C:

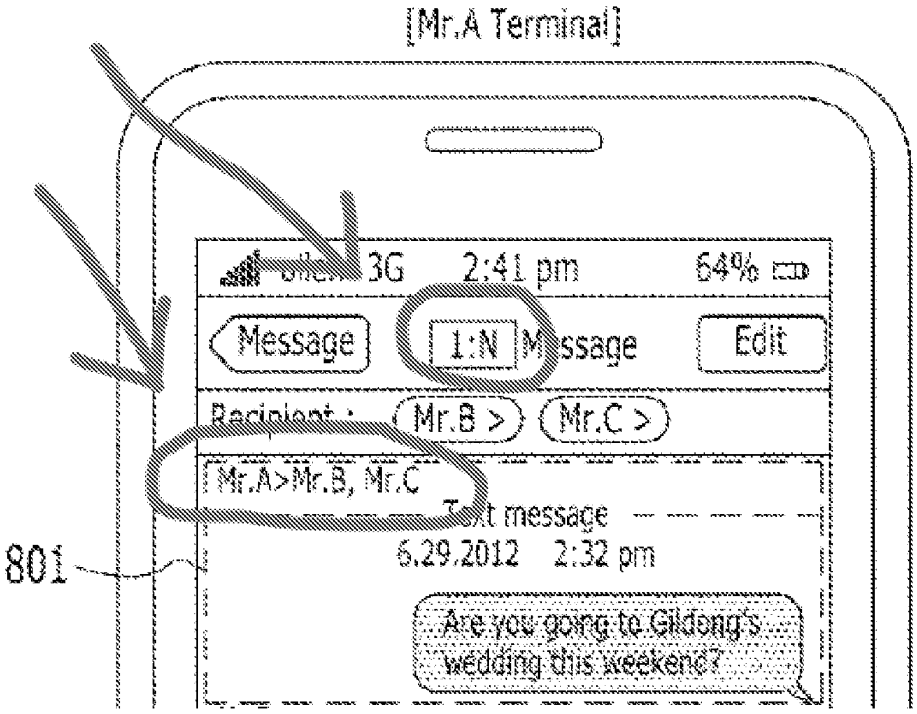
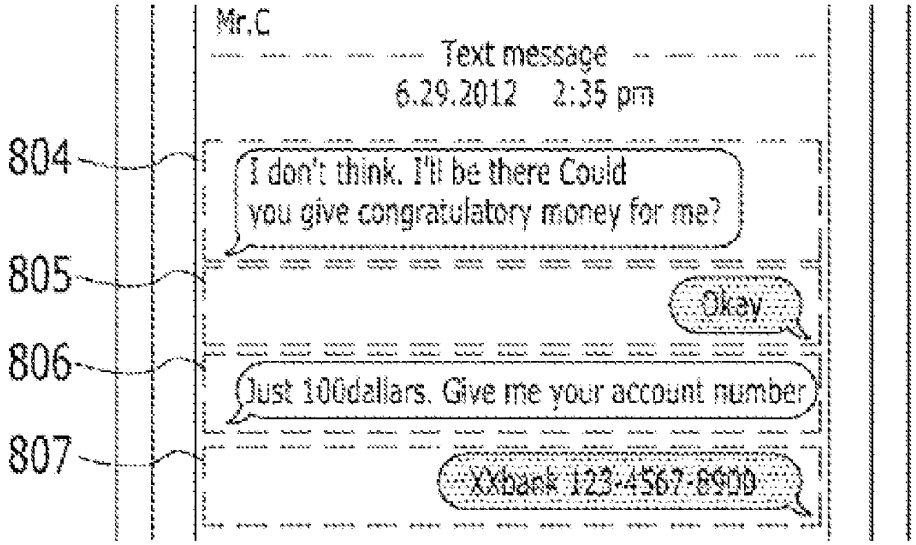


FIG. 8A illustrates that Mr. A has sent the message "Are you going to Gildong's wedding this weekend?" in a channel that includes channel members Mr. B and Mr. C.

FIG. 8A next illustrates that Mr. B responds to Mr. A. Because Mr. A transmitted his message "Are you going to Gildong's wedding this weekend?" in a 1:N channel, Mr. B's response is seen by Mr. A in the 1:N channel, but not by Mr. C:

Similarly, because Mr. A transmitted his message in a 1:N channel also to Mr. C, Mr. C's response is seen by Mr. A in the 1:N channel, but not by Mr. B:



Note that the exclusion of Mr. C from messaging between Mr. A and Mr. B in the 1:N channel is described at paragraph [0106]. The exclusion of Mr. B from messaging between Mr. A and Mr. C in the 1:N channel is also described at paragraph [0106]:

> …sent/received messages 804-807 between the sender A and the recipient C may not be displayed in the recipient B's terminal. Also, referring to FIG. 8C, sent/received messages 802 and 803 between the sender A and the recipient B may not be displayed in the recipient C's terminal.

See also paragraph [0081]:

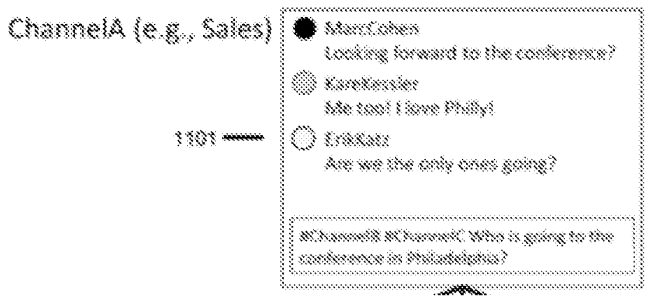
> Unlike a typical group message transmission technique, the recipient terminal may send the reply message of the 1:N message only to the Sender excluding other recipients of the 1:N message transmitted from the sender. In addition, the reply message is only displayed to the sender and the recipient that transmit the reply message. That is, a reply message of one recipient may be hided from other recipients of a related 1:N message in accordance with embodiments of the present invention. Accordingly, reply messages to a 1:N message between the sender terminal and each of the recipients may be processed based on 1:1 message transmission technique after receiving the 1:N message from the sender terminal.

Applicant will now identify the specific disagreement with the Office Action.

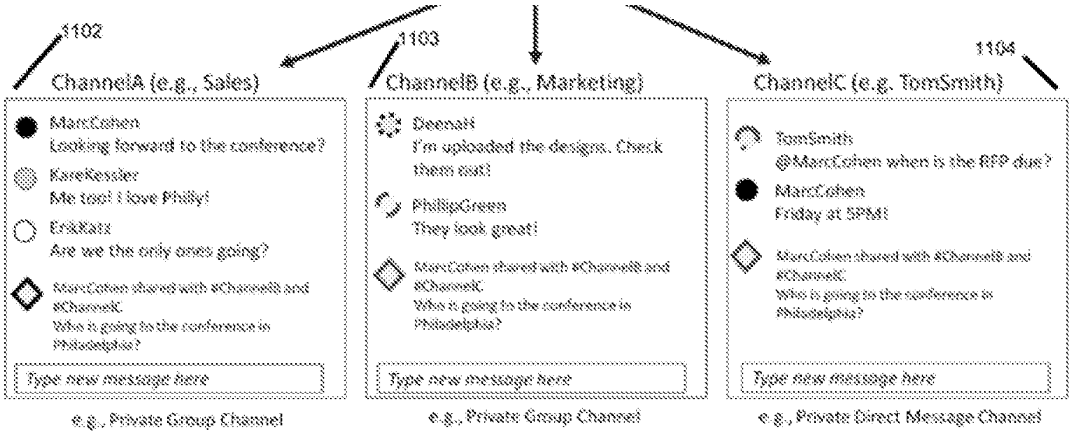
Page 5 of the Office Action quotes the following claim language and states that the following claim language is disclosed by Lee:

> …receiving a designation from said first of said participants, prior to said first of said messages being transmitted in said first channel, that said first of said messages is to be transmitted in said second channel…"

Again, referring to Applicant's FIG. 11A, this is the step where MarcCohen is in channel A, MarcCohen transmits the message "Who is going to the conference in Philadelphia?" …



…and the message that MarcCohen transmitted appears in not only channel A, but different channels, namely channels B and C:



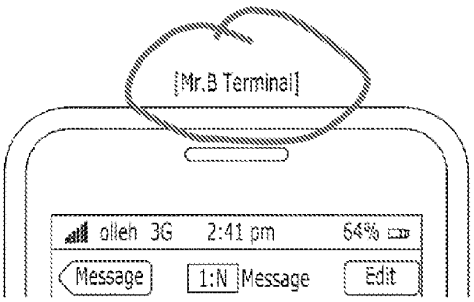
The Office Action states that the above feature is disclosed in Lee, paragraph [0099] and FIG. 8A, but this is not correct. The Office Action states that Lee's "fig. 8A shows sender A provides designation of recipient B and recipient C prior to transmission of first message" but **nowhere does Lee state that recipient B and/or recipient C are in a different channel than sender A.** Rather, in Lee, recipient B and recipient C are in the same channel as sender A.

Furthermore, the Office Action states the Lee discloses:

> …transmitting said first of said messages a) in said first message stream in said first channel, and b) in said second message stream in said second channel after receiving said designation so that said first of said messages appears in said first message stream and said second message stream…"

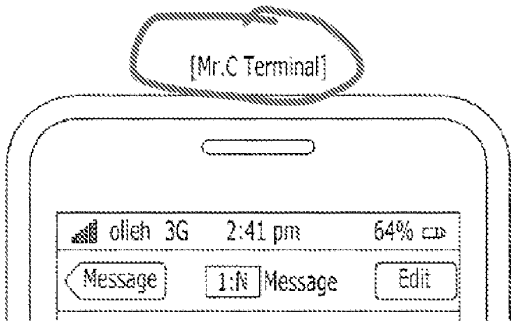
but this is also not correct. Lee's FIG. 8B merely shows the view of the channel from Mr. B's terminal (the figure is literally entitled: "Mr. B Terminal"):

FIG. 8B



Lee's FIG. 8C merely shows the view of the channel from Mr. C's terminal (the figure is literally entitled "Mr. C. Terminal"):

FIG. 8C



These figures neither teach nor imply that communication with Mr. A is occurring in two (or more channels). These figures are simply showing different (private) views of the same channel. Therefore, again, Applicant's claimed feature of two different channels is neither disclosed nor suggested by Lee.

Applicant's "multi-channel" transmission feature provides advantages over Lee's "one channel" transmission:

FIRST, sending one message in multiple channels (in the prior art) had been a laborious process that could require multiple interactions with a computer, and Lee does not address improving interactions with regard to multiple channels. Such interactions (in the prior art) may include exemplary steps such as entering a message, highlighting the message, executing a "copy" (or a "cut") of the highlighted message, manually switching to other channels so that those channels are successively active, executing a "paste" into each channel as each channel becomes active, and then subsequently performing a "send" in each successively active channel. Such cutting and pasting may result in a loss of context of the message being sent (e.g. the message recipient might not be able to tell what the pasted message is in response to). Thus, the exemplary embodiments achieve various technical advantages including fewer keystrokes, less I/O interaction, more efficient operation, and faster execution. With less I/O interaction, a

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microprocessor is potentially able to perform a desired function faster and with greater efficiency. By enabling a processor to perform the above described steps, and/or with the above described structure, the possibility of creating errors is reduced.

SECOND, the ability to transmit messages to multiple channels in parallel results in better allocation of resources (which, for example, are not tied up performing I/O operations), again an advantage not achieved by Lee.

THIRD, with regard to further exemplary embodiments and optional features, a user is optionally provided with varying levels of control of messages which provides for desirable levels of customization. Such customization in a multiple channel environment is not achieved by Lee.

Lee was combined with Soroker. Soroker was cited at column 12, line 43-51. Soroker only discloses forwarding a text message from a Room A to a Room B (see also FIG. 2A). Applicant understands the Office Action's argument about relayed messages, but respectfully disagrees because Applicant was careful not to merely claim "relayed messages." Applicant claims "a first message channel with a first message stream" and "a second channel with a second message stream" (emphasis added). Relaying messages as disclosed by Soroker, and transmitting messages in respective channels having respective message streams as is claimed by Applicant, are not the same thing. As Applicant's have claimed messaging in a messaging environment with channels and message streams, Applicant's claim language is distinguishable from Soroker.

Blair discloses that confirmation is provided when a message is received by multiple recipients (paragraph [157]). Providing confirmation of message receipt, however, does not make up for the deficiencies of Lee (with regard Applicant's claimed feature of being in a first channel, and having a message transmitted in a second channel).

The secondary references do not make up for the deficiencies of Lee. Accordingly, Applicant's claim 1 is patentable over the art of record.

Claim 19, while not identical to claim 1, is patentable for reasons similar to those set forth above with regard to claim 1.

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Regarding claim 12, the Office Action argues that paragraph [0098] of Lee discloses use of a tag "e1" so that a message is sent to each recipient in its own channel. Applicant respectfully disagrees. Paragraph [0099] of Lee explains that tags are used to identify a message as a "1:N message" to "display the sent 1:N message (Message No. 1) and the received reply message (Message No. 2) together on a same display screen." Lee thus explains that tags are used for grouping and filtering in a display. Grouping and filtering in a display is a completely independent concept compared to whether a message is sent to multiple channels. Again, Lee does not disclose message transmission to multiple channels (as is claimed by Applicant). Rather, Lee's tags are used for grouping and filtering messages within a single channel. Lee thus lacks Applicant's claimed feature of indicating "that said first of said messages is to be sent to said first and to said second channel" as recited in claim 12.

The above rationale also applies to claims 16, 21, 23, 24, 25, 29, 30, 34, 36, 37, 38, 39, 40, 41, and 45. All of those claims recite features relating to the "second channel" – but the prior art of record does not disclose any messaging and more than one channel. Therefore, the above claims are also patentable over the art of record.

The remaining claims that depend on claim 1 or claim 19 are patentable by virtue of their dependency on allowable claim 1 or claim 19. Withdrawal of the rejection is respectfully requested.

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

Respectfully submitted,
CAESAR RIVISE, PC

July 6, 2021

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

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 16/014,578	Filing Date 06/21/2018	☐ To be Mailed

ENTITY: ☐ LARGE ☑ SMALL ☐ MICRO

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*		x $50 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $230 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT	07/06/2021	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=		x $50 =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=		x $240 =	
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	

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

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

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