

We claim:

1. A method for displaying a user interface (200) for managing communication sessions on a communications device, the method comprising:

generating for display, by a processor (120), displaying, on in a first-side portion of the user interface (200) for a first user, a first set of user-configurable communication information a fan comprising a plurality of graphical user interface elements that are scrollable by the first user, wherein an active graphical user interface element of the plurality of graphical user interface elements displays communication information associated with a second user different from the first user, and wherein inactive graphical user interface elements of the plurality of graphical user interface elements display truncated communication information;

displaying the fan in the user interface (200);

~~displaying, on a second side portion of the user interface, a second set of user-configurable communication information; and~~displaying, by the processor (120), on a center portion of the user interface (200), a communication work space comprising an active spotlight region that depicts, by using a visual metaphor that resembles a spotlight, an active communication session that the first user is currently participating in, the active spotlight region featuring graphical elements representing participants associated with the active communication session;
and

displaying the active spotlight region in the user interface (200).

2. The method ~~of claim~~as claimed in claim 1, wherein the communications device receives user input via a touch sensitive display (170).

3. The method ~~of claim~~as claimed in claim 1, wherein the ~~first set of user-configurable communication information and the second set of user-configurable communication information each comprise at least one of~~communication information comprises:

contact information, schedule information, current communication session information, applications, and other multimedia communication features.

~~4. The method of claim 3, wherein at least part of the contact information is organized into expandable groups~~

54. The method ~~of claim~~ as claimed in claim 1, wherein the wherein the side portion is a first side portion, wherein the fan is a first fan, and wherein the plurality of graphical user interface elements is a first plurality of graphical user interface elements, the method comprising displaying, on a second side portion of the user interface (200), a second fan comprising a second plurality of graphical user interface elements that are scrollable by the first user ~~first set of user-configurable communication information and the second set of user-configurable communication information are displayed as a first fan of items and a second fan of items.~~

~~6. The method of claim 5, further comprising:
receiving from a user a touch input directed to one of the first fan of items and the second fan of items; and
scrolling the one of the first fan of items and the second fan of items based on the touch input.~~

75. The method ~~of claim~~ as claimed in claim 1, wherein a detail of the communication information is displayed in the communication workspace when the first user interacts with the active graphical user interface element ~~the communication workspace displays at least one current communication session.~~

~~8. The method of claim 12, further comprising:~~

~~receiving user input to toggle from an active communication session from a first current communication session to a second communication session;~~

~~setting the second communication session as the active communication session; and~~

~~updating the communication work space to reflect the active communication session.~~

96. A communications device having a ~~touch-based~~ user interface (200), the ~~the user interface~~ communications device comprising:

a processor (120);

a ~~touch sensitive~~ display (170);

wherein:

the processor (120) generates for display, in a side portion of the user interface (200) for a first user, a fan comprising a plurality of graphical user interface elements that are scrollable by the first user, wherein an active graphical user interface element of the plurality of graphical user interface elements displays communication information associated with a second user different from the first user, and wherein inactive graphical user interface elements of the plurality of graphical user interface elements display truncated communication information~~a display module configured to output on a first side portion of the touch sensitive display, a first set of user-configurable communication information, to output on a second side portion of the touch sensitive display a second set of user-configurable communication information, to output on a center portion of the touch sensitive display a communication work space;~~

the display (170) displays the fan in the user interface (200);

the processor (120) generates for display on the user interface (200), an active spotlight region that depicts, by using a visual metaphor that resembles a spotlight, an

active communication session that the first user is currently participating in, the active spotlight region featuring graphical elements representing participants associated with the active communication session; and

~~a user input module configured to receive user input via the touch sensitive display; and~~

~~an interaction module configured to update the touch sensitive display based on the user in~~the display (170) displays the active spotlight region in the user interface (200).

~~10. —A non-transitory computer-readable storage medium storing instructions which, when executed by a computing device, cause the computing device to display an interface for managing communication sessions, the instructions comprising:~~

~~displaying, on a first side portion of the user interface, a first set of user-configurable communication information;~~

~~displaying, on a second side portion of the user interface, a second set of user-configurable communication information; and~~

~~displaying, on a center portion of the user interface, a communication work space.~~

ABSTRACT
USER INTERFACE FOR MANAGING COMMUNICATION SESSIONS

Disclosed herein are systems, and methods, ~~and non-transitory computer-readable storage media~~ for displaying a user interface (200) for managing communication sessions on a communication device. A system configured to practice the method displays, on a first side portion of the user interface, a first set of user-configurable communication information. The system displays, a second side portion of the user interface, a second set of user-configurable communication information. The system displays, on a center portion of the user interface, a communication work space for managing communication sessions. In one embodiment including a touch sensitive display (170), this interface is used with a tablet device such that a natural position of user's thumbs are in an optimal position to interact efficiently with the user interface (200). The side portions can be user-configurable to display, for example, contacts, calendar events, tasks, memos, and so forth.

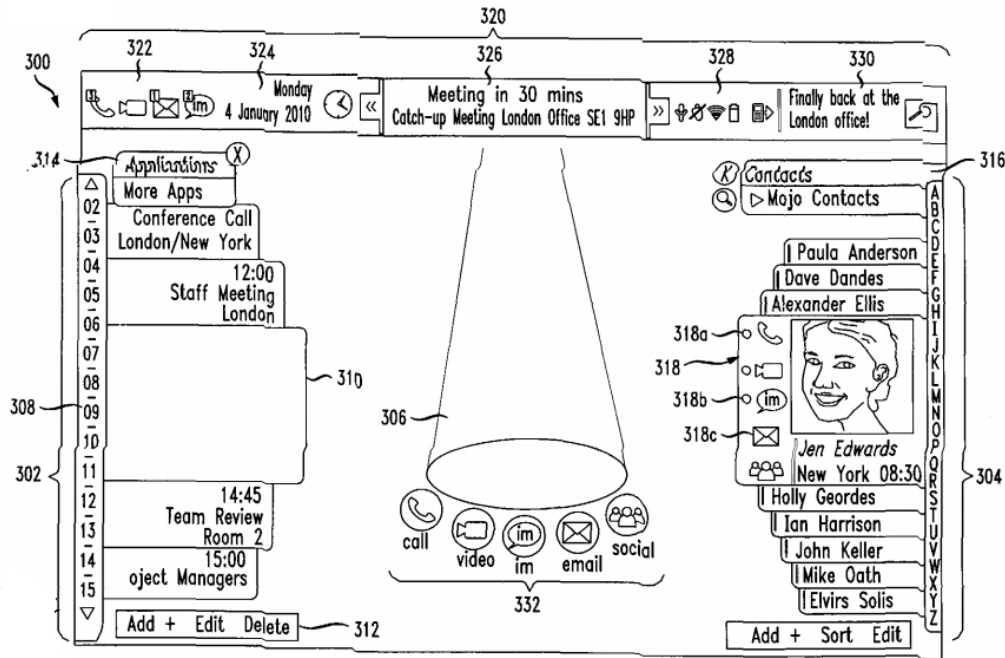


FIG. 3

FORM 3
THE PATENTS ACT, 1970
(39 of 1970)
&
THE PATENTS AMENDMENT RULES, 2006
Statement and Undertaking under Section 8
[See Section 8; rule 12]

We, Avaya Inc., do hereby declare:

- (i) That we who have made this Application No 1579/MUM/2011 dated May 26, 2011 alone, made for the same/substantially same invention applications for patent in the other countries, the particulars of which are given below:

Name of the Country	Date of Application	Application No.	Status of the Application	Date of Publication	Date of Grant
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Please see Annexure

- (ii) That the rights in the applications have been assigned to:

Avaya Inc., of 4655 Great America Parkway, Santa Clara, CA 95054-1233 U.S.A.

- (iii) That we undertake that upto the date of grant of the patent by the Controller, we would keep him informed in writing the details regarding corresponding applications for patents filed outside India within six months from the date of filing of such application.

Dated this the 14th day of February, 2019

MANISHA SINGH
Agent for the Applicant [IN/PA-740]
LEXORBIS
/Digitally Signed/

To
The Controller of Patents
The Patent Office
At Mumbai

ANNEXURE TO FORM 3
Indian Patent Application No 1579/MUM/2011

COUNTRY	DATE OF APPLICATION	APPLICATION NO.	STATUS OF THE APPLICATION	DATE OF PUBLICATION	DATE OF GRANT
US	05/26/2010	61/348,550	Expired	N/A	N/A
US	12/27/2010	12/978,884	Granted	12/01/2011 US 2011/0296312 A1	10/13/2015 US 9158444 B2
AR	05/24/2011	P110101785	Granted	02/13/2013 AR 083237 A1	08/15/2016 AR 083237 B1
BR	05/26/2011	1102619-7	Pending Published	11/06/2012 BR PII102619 A2	-----

Dated this the 14th day of February, 2019

MANISHA SINGH
Agent for the Applicant [IN/PA-740]
LEXORBIS

December 27, 2018

DECLARATION

I, Manisha Singh the agent for the application hereby declare that the attached document is a true copy of General Power of Attorney duly executed by Avaya Inc. The original of the above mentioned document has been filed in respect of Indian Patent Application No. 2768/MUM/2011.

Manisha Singh
Agent for the Applicant [IN/PA-740]
LEXORBIS





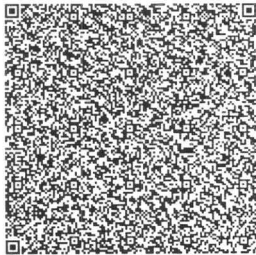
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FORM -26
THE PATENTS ACT, 1970
(39 OF 1970)

&

THE PATENTS (AMENDMENT) RULES, 2006
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Form for Authorization of a Patent Agent/ or Any Person in a Matter or
Proceeding Under the Act

[Refer sections 127 and 132; and rule 135]

In all the matter of Patent Applications in the name
Avaya Inc.

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FORM - 26
The PATENTS ACT, 1970
(39 OF 1970)

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THE PATENTS RULES, 2006
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Form for Authorization of a Patent Agent/ or Any Person in a Matter or Proceeding
Under the Act

[Refer Sections 127 and 132; and rule 135]

We, Avaya, Inc. of 4655 Great America Parkway, Santa Clara, California 95054 1233, United States of America do hereby authorize Mr. Manoj Vasudevan Nair, Mr. M.R. Ramesh Babu, Ms. Manisha Singh, Mr. Abhai Pandey, Mr. Rajeev Kumar, Ms. Omana Ramakrishnan, Ms. Amaya Singh, Ms. Swati Setia, Mr. Omesh Puri, Ms. Preeti Tyagi, Ms. Charul Yadav, Mr. Pranab Sanyal, Ms. Neetu Kumari, Mr. Rahul Sharma, Mr. Rahul Salhotra, Mr. Joginder Singh, Ms. J Lavanya, Mr. Pankaj Musyuni, Mr. Siddharth Sharma, Mr. Piyush Sharma, et al., Advocates and/or Registered Patent Agents of LEXORBIS, having their registered office at 709/710 Tolstoy House, 15-17 Tolstoy Marg, New Delhi – 110 001, India to act jointly or severally as our agents on our behalf in connection with the filing and prosecution of Indian Patent Applications and filing of request for Foreign Filing Permission in our name and in all matters and proceedings subsequent to the grant of such letters patent including renewals thereof, filing of Statements of working thereof, amendments thereof or of the applications, specifications or any other documents filed in respect thereof, restorations thereof, registrations of any license, mortgage, assignment transfer or other interest in respect thereof, or change in our name, address or address for Service and in general to do all acts or things as the said Advocates/Agents may deem necessary or expedient and request that all notices, requisitions and communications relating thereto may be sent to such person at the above address unless otherwise specified. This authorization includes the power to substitute it and appoint.

We hereby revoke all previous authorizations, if any made, in respect of same matter or proceeding.

We hereby assent to the action already taken by the said person in the above matter.

Dated this the 15 day of October 2018

Sign: Yolanda Del Toro
(Avaya Inc.)

Name of the Applicant:

Name of the authorized signatory:
Designation:

Yolanda Del Toro
Avaya INC.
Senior Corporate Counsel

To
The Controller of Patents,
The Patent Office
At Mumbai

Via Electronic Filing

Controller of Patents & Designs : Kishor Kadbe
Letter Ref. : Application No/ 1579/MUM/2011

IN/PCT
December 05, 2018

The Controller of Patents
Patent Office Branch
Intellectual Property Office Building,
Antop Hill, S.M Road
Mumbai-400037

Last Date to respond to the Examination Report: March 21, 2019

Re: Indian Patent Application No. : 1579/MUM/2011
Date of Filing : May 26, 2011
Title : User Interface For Managing Communication
Sessions
Applicant : Avaya Inc.
Date of First Examination Report : September 21, 2018

Dear Sir,

We write in response to your office letter dated **September 21, 2018** with regard to the above-identified Indian Patent Application.

In response to Objection with respect to "*Priority Document*" mentioned in *PART-II: OTHER REQUIREMENT* of the First Examination Report, the Applicant hereby submits certified copy of priority application no. 61/348,550 to meet the present requirement.

Further, applicant submits that Priority has already been published in English language, so there is no need to file English translation of the same The Applicant requests to the Learned Controller to take document on record and waive the objection.

Our response with respect to the remaining objections of FER shall be submitted in due course of time.

We thank you in advance for your co-operation in this regard.

Yours Truly,

Manisha Singh
Agent for the Applicant [IN/PA-740]
LEXORBIS

Enclosure: as above.

PA 7700431

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

UNITED STATES DEPARTMENT OF COMMERCE

United States Patent and Trademark Office

November 13, 2018

THIS IS TO CERTIFY THAT ANNEXED HERETO IS A TRUE COPY FROM THE RECORDS OF THE UNITED STATES PATENT AND TRADEMARK OFFICE OF THOSE PAPERS OF THE BELOW IDENTIFIED PATENT APPLICATION THAT MET THE REQUIREMENTS TO BE GRANTED A FILING DATE UNDER 35 USC 111.

APPLICATION NUMBER: 61/348,550

FILING DATE: May 26, 2010

THE COUNTRY CODE AND NUMBER OF YOUR PRIORITY APPLICATION, TO BE USED FOR FILING ABROAD UNDER THE PARIS CONVENTION, IS US61/348,550

**By Authority of the
Under Secretary of Commerce for Intellectual Property
and Director of the United States Patent and Trademark Office**



W. Montgomery
W. MONTGOMERY
Certifying Officer

Electronic Acknowledgement Receipt

EFS ID:	7694514
Application Number:	61348550
International Application Number:	
Confirmation Number:	5773
Title of Invention:	A USER INTERFACE FOR MANAGING COMMUNICATION SESSIONS
First Named Inventor/Applicant Name:	David G. Boyer
Customer Number:	95158
Filer:	Thomas M. Isaacson/Angela Thumann
Filer Authorized By:	Thomas M. Isaacson
Attorney Docket Number:	069-0015-Prov (510114)
Receipt Date:	26-MAY-2010
Filing Date:	
Time Stamp:	17:16:58
Application Type:	Provisional

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$220
RAM confirmation Number	3659
Deposit Account	141437
Authorized User	ISAACSON,THOMAS

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

- Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)
- Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

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Charge any Additional Fees required under 37 C.F.R. Section 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	Specification	069-0015-PROV-Application.pdf	159696 11fc96da2a53bace158a3af3aa6a7cf1a1275df	no	19

Warnings:

Information:

2	Transmittal of New Application	069-0015-Prov-Transmittal.pdf	241436 a6b27fa26bacdc84de0d76b3106cfc50ba35b52e	no	3
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Warnings:

Information:

3	Drawings-only black and white line drawings	case-069-0015-prov-fig-1.pdf	22176 e6af05d07b38fac2c8e8615afe25413ee75e01e1	no	1
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Warnings:

Information:

4	Fee Worksheet (PTO-875)	fee-info.pdf	29716 a60a4375d4717069f285035220b90277be115845	no	2
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Warnings:

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Total Files Size (in bytes):			453024		
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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.

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Provisional Application for Patent Cover Sheet

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53(c)

Inventor(s)

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

Doc Code: **TR.PROV**

Document Description: Provisional Cover Sheet (SB16)

PTO/SB/16 (04-07)

Approved for use through 06/30/2010 OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Title of Invention	A USER INTERFACE FOR MANAGING COMMUNICATION SESSIONS
Attorney Docket Number (if applicable)	069-0015-Prov (510114)
Correspondence Address	
Direct all correspondence to (select one):	
<input checked="" type="radio"/> The address corresponding to Customer Number	<input type="radio"/> Firm or Individual Name
Customer Number	95158

The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.
<input type="radio"/> No.
<input type="radio"/> Yes, the name of the U.S. Government agency and the Government contract number are:

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

Entity Status

Applicant claims small entity status under 37 CFR 1.27

- Yes, applicant qualifies for small entity status under 37 CFR 1.27
 No

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 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.

Signature



Please see 37 CFR 1.4(d) for the form of the signature.

Signature				Date (YYYY-MM-DD)	2010-05-26
First Name	Thomas	Last Name	Isaacson	Registration Number (If appropriate)	44166

This collection of information is required by 37 CFR 1.51. 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 8 hours 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. This form can only be used when in conjunction with EFS-Web. If this form is mailed to the USPTO, it may cause delays in handling the provisional application.

PATENT APPLICATION

A USER INTERFACE FOR MANAGING COMMUNICATION SESSIONS

Inventors:

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Filing Date:

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A USER INTERFACE FOR MANAGING COMMUNICATION SESSIONS

BACKGROUND

1. Technical Field

[0001] The present disclosure relates to communications and more specifically to a user interface for managing communication sessions.

2. Introduction

[0002] See appendix.

SUMMARY

[0003] Additional features and advantages of the disclosure will be set forth in the description which follows, and in part will be obvious from the description, or can be learned by practice of the herein disclosed principles. The features and advantages of the disclosure can be realized and obtained by means of the instruments and combinations particularly pointed out in the appended claims. These and other features of the disclosure will become more fully apparent from the following description and appended claims, or can be learned by the practice of the principles set forth herein.

[0004] See appendix.

BRIEF DESCRIPTION OF THE DRAWINGS

[0005] In order to describe the manner in which the above-recited and other advantages and features of the disclosure can be obtained, a more particular description of the principles

AMENDED CLAIM SET

1. A method for displaying a user interface for managing communication sessions on a communications device, the method characterized by comprising:

displaying, on a [[first]] side portion of the user interface for a first user, a fan comprising a plurality of graphical user interface elements that are scrollable by the first user, wherein an active graphical user interface elements of the plurality of graphical user interface elements displays a first set of user-configurable communication information associated with a second user different from the first user, and wherein inactive graphical user interface elements of the plurality of graphical user interface elements display truncated communication information;

~~displaying, on a second side portion of the user interface, a second set of user-configurable communication information; and~~

~~displaying, on a center portion of the user interface, a communication work space comprising an active spotlight region that depicts, by using a visual metaphor that resembles a spotlight, an active communication session that the first user is currently participating in, the active spotlight region featuring graphical elements representing participants associated with the active communication session.~~

2. The method of claim 1, characterized by ~~wherein~~ the communications device receiving ~~receives~~ user input via a touch sensitive display.

3. The method of claim 1, characterized by ~~wherein~~ the ~~first set of user-configurable communication information and the second set of user-configurable~~ communication information comprising ~~each comprise~~ at least one of contact information, schedule

information, current communication session information, applications, ~~[[and]]~~ or other multimedia communication features.

4. The method of claim 3, characterized by ~~wherein~~ the ~~contact~~ communication information comprising ~~comprises~~ at least one of a name, phone number, email address, instant messaging address, social media link, an image, presence information, relationship information, business information, personal notes, ~~[[and]]~~ or other communication links.

5. The method of claim 3, characterized by ~~wherein~~ the contact information being ~~[[is]]~~ presented based on at least one of alphabetical order and frequency of use.

6. The method of claim 5, characterized by the ~~wherein~~ frequency of use being ~~is further~~ based on at least one of topic, project, ~~[[and]]~~ or recency of use.

7. The method of claim 3, characterized by ~~wherein~~ a trust level between ~~[[a]]~~ the first user and a particular contact restricting ~~restricts~~ which pieces of contact information are displayed for the particular contact.

8. The method of claim 3, characterized by ~~wherein~~ ~~at least~~ part of the contact information being ~~[[is]]~~ organized into an expandable group ~~groups~~.

9. The method of claim 1, characterized by ~~wherein~~ the side portion being a first side portion, wherein the fan is a first fan, and wherein the plurality of graphical user interface elements is a first plurality of graphical user interface elements, the method further comprising displaying, on a second side portion of the user interface ~~is on a left side of a display, a second~~

fan comprising a second plurality of graphical user interface elements that are scrollable by the first user and the second side portion of the user interface is on a right side of the display.

10. The method of claim 1, wherein characterized by the fan allowing the first user to navigate through each graphical user interface element by one of flipping and scrolling through the plurality of graphical user interface elements ~~set of user configurable communication information and the second set of user configurable communication information are displayed as a first fan of items and a second fan of items.~~

11. The method of claim 10, characterized by further comprising:

receiving from a user a touch input directed to ~~one of the first fan of items and the second fan of items;~~ and

scrolling the ~~one of the first fan of items and the second fan of items~~ based on the touch input.

12. The method of claim 1, wherein characterized by a detail of the communication information being displayed in the communication work space when the first user interacts with the active graphical user interface element ~~displays at least one current communication session.~~

13. The method of claim 12, characterized by further comprising displaying one of a control controls and a setting, settings based on the ~~at least one~~ current communication session.

14. The method of claim 12, characterized by further comprising:

receiving user input to toggle the ~~from an~~ active communication session from a first current communication session to a second communication session;

setting the second communication session as the active communication session; and
updating the active spotlight region ~~communication work space~~ to reflect the active communication session.

15. The method of claim 1, characterized by further comprising displaying on the ~~first~~ side portion of the ~~user interface~~ an index associated with the fan ~~first set of user configurable communication information~~.

16. The method of claim 1, characterized by further comprising displaying a notification bar on the user interface.

17. The method of claim 16, characterized by ~~wherein~~ the notification bar comprising ~~comprises~~ at least one of an alert ~~alerts~~, a time, a date, a reminder, a current user status, or a current user presence.

18. The method of claim 1, characterized by further comprising displaying a media menu of a communication modality ~~modalities~~.

19. ~~A communications device having a touch based user interface, the~~ An arrangement useful to apply in the method of claim 1, characterized by user interface comprising:

a processor;

a ~~touch sensitive~~ display;

a computer-readable storage medium storing instructions which, when executed by the processor, cause the processor to perform operations comprising:

~~a display module configured to output~~ displaying, on a first side portion of the ~~touch sensitive display used by a first user~~, a fan comprising a plurality of graphical user interface elements that are scrollable by the first user, wherein an active graphical user interface element of the plurality of graphical user interface elements displays communication information associated with a second user different from the first user, and wherein inactive graphical user interface elements of the plurality of graphical user interface elements display truncated communication information ~~first set of user-configurable communication information, to output on a second side portion of the touch sensitive display a second set of user configurable communication information, to output on a center portion of the touch sensitive display a communication work space;~~ and

displaying, on the display, an active spotlight region that depicts, by using a visual metaphor that resembles a spotlight, an active communication session that the first user is currently participating in, the active spotlight region featuring graphical elements representing participants associated with the active communication session

~~a user input module configured to receive user input via the touch sensitive display; and~~

~~an interaction module configured to update the touch sensitive display based on the user input.~~

20. A ~~non-transitory~~ computer-readable storage device medium storing instructions which, when executed by a processor of the arrangement of claim 19 ~~computing device~~, cause the processor ~~computing device~~ to perform operations characterized by display an interface for managing communication sessions, the instructions comprising:

displaying, on a ~~first~~ side portion of ~~[[the]]~~ a user interface for a first user, a fan comprising a plurality of graphical user interface elements that are scrollable by the first user, wherein an active graphical user interface element of the plurality of graphical user interface elements displays first set of user configurable communication information associated with a second user different from the first user, and wherein inactive graphical user interface elements of the plurality of graphical user interface elements display truncated communication information; and

displaying, on a ~~second side portion~~ of the user interface, an active spotlight region that depicts, by using a visual metaphor that resembles a spotlight, an active communication session that the first user is currently participating in, the active spotlight region featuring graphical elements representing participants associated with the active communication session a second set of user configurable communication information; and

~~displaying, on a center portion of the user interface, a communication work space.~~

GENERAL DATA

PRESENTATION: 05/24/11 00:00:00
 METHOD FOR EXHIBITING A USER INTERFACE TO MANAGE COMMUNICATIONS
 TITLE: SESSIONS IN A COMMUNICATIONS DEVICE AND USEFUL PROVISION TO APPLY THIS
 METHOD
 MOTHER NUMBER 0
 KIND PATENT OF INVENTION
 CHARACTER INDEPENDENT
 AGENT: 1102 -
 HOME: LAVALLE 190, FLOOR 3, CA DE BS. ACE.
 RESO.VIGENTE: DATE: 9/15/16 00:00:00 : AR083237B1
 NOTIFICATION: 01/12/17 14:57:36 KIND: GRANTED
 HEADLINE: AVAYA INC
 TECHNICAL: COUSIDO ULISES OCTAVIO
 PUBLICATIONS: BULLETIN: 726 DATE: 02/13/13 00:00:00 PUBLICATION:
 AR083237A1

SUMMARY

COMPUTER-READABLE NON-TRANSIENT STORAGE SYSTEMS, METHODS AND MEDIA THAT DISPLAY A USER INTERFACE FOR MANAGING COMMUNICATION SESSIONS ON A COMMUNICATIONS DEVICE. A SYSTEM CONFIGURED TO IMPLEMENT THE METHOD SHOWS, IN A FIRST LATERAL PORTION OF THE USER INTERFACE, A FIRST SET OF INFORMATION CONFIGURABLE BY THE USER FOR COMMUNICATIONS. THE SYSTEM SHOWS, IN A SECOND LATERAL PORTION OF THE USER INTERFACE, A SECOND SET OF INFORMATION CONFIGURABLE BY THE USER FOR COMMUNICATIONS. THE SYSTEM SHOWS, IN A CENTRAL PORTION OF THE USER INTERFACE, A COMMUNICATIONS WORKSPACE TO MANAGE COMMUNICATION SESSIONS. IN AN EMBODIMENT THAT INCLUDES A TOUCH-SENSITIVE SCREEN, THIS INTERFACE IS USED WITH A TABLET DEVICE SUCH THAT, IN A NATURAL POSITION, THE USER THUMBS ARE IN AN OPTIMAL POSITION TO INTERACT EFFICIENTLY WITH THE USER INTERFACE. THE SIDE PORTIONS CAN BE CONFIGURABLE BY THE USER TO SHOW, FOR EXAMPLE, CONTACTS, CALENDAR EVENTS, TASKS, MEMOS, ETC.

CLAIMS

CLAIMS 1.- A METHOD FOR DISPLAYING A USER INTERFACE FOR MANAGING COMMUNICATIONS SESSIONS IN A COMMUNICATIONS DEVICE, THE CHARACTERIZED BECAUSE METHOD COMPRISING THE STEPS OF: DISPLAYING, IN A FIRST SIDE PORTION OF THE USER INTERFACE, FOR A FIRST USER , A RANGE COMPRISING A PLURALITY OF GRAPHICAL USER INTERFACE ELEMENTS THAT ARE SCROLLABLE BY THE FIRST USER, WHEREIN AN ACTIVE USER GRAPHIC INTERFACE ELEMENT OF THE PLURALITY OF GRAPHICAL USER INTERFACE ELEMENTS DISPLAYS COMMUNICATION INFORMATION ASSOCIATED WITH A USER INTERFACE. SECOND USER DIFFERENT FROM THE FIRST USER, AND WHEREIN THE INACTIVE GRAPHICAL USER INTERFACE ELEMENTS OF THE PLURALITY OF GRAPHICAL USER INTERFACE ELEMENTS SHOW TRUNCATED COMMUNICATION INFORMATION; AND SHOW, IN THE USER INTERFACE, A REGION OF ACTIVE FOCUS THAT REPRESENTS USING A VISUAL METAPHOR SIMILAR TO A BEAM OF LIGHT, AN ACTIVE COMMUNICATION SESSION IN WHICH THE FIRST USER IS CURRENTLY PARTICIPATING, THE ACTIVE FOCUS REGION HAS GRAPHIC ELEMENTS REPRESENTING THE PARTICIPANTS ASSOCIATED WITH THE ACTIVE COMMUNICATION SESSION. FOLLOW 19 CLAIMS.

VIEWS

GENERATION DATE	DATE ANSWER	DATE NOTIFICATION	DESCRIPTION
10/4/11 00:00:00	9/13/12 00:00:00	03/20/12 00:00:00	PRELIMINARY EXAM
08/15/14 00:00:00	11/28/14 00:00:00	08/29/14 00:00:00	RESOLUTION 187/14

PRIORITIES

DATE	NUMBER	COUNTRY
05/26/10 00:00:00	61 / 348,550	US
12/27/10 00:00:00	12 / 978,884	US

WRITINGS

DATE	NOTIF	LIFTING	EXPIRATION	KIND	DETAIL
08/17/11 00:00:00					
06/08/12 00:00:00				BREAKDOWN	
9/13/12 00:00:00				N / A CONTESTA VISTA	
1/26/16 00:00:00				N / A CONTESTA VISTA	

ANNUITIES

NO.	PAY DAY	AMOUNT	VENC DATE	AMOUNT 2ND VENC.	DATE 2ND VENC.	AGENT	STATE	OBSERVATIONS
3	04/24/2017	1200				2306	PAID	COD: 361000
4	04/24/2017	2900				2306	PAID	COD: 362000.
5	04/24/2017	2900				2306	PAID	COD: 362000.
6	04/24/2017	2900				2306	PAID	COD: 362000.
7	04/24/2017	5800				2306	PAID	COD: 363000.
8	05/02/2018	7000				2306	PAID	COD: 363000.
9		7000	05/24/2019	9100	11/25/2019		IMPAGA	
10		7000	05/25/2020	9100	11/25/2020		IMPAGA	
ELEVEN		7000	05/24/2021	9100	11/24/2021		IMPAGA	
12		7000	05/24/2022	9100	11/24/2022		IMPAGA	
13		7000	05/24/2023	9100	11/24/2023		IMPAGA	
14		7000	05/24/2024	9100	11/25/2024		IMPAGA	
FIFTEEN		7000	05/26/2025	9100	11/26/2025		IMPAGA	
16		7000	05/25/2026	9100	11/25/2026		IMPAGA	
17		7000	05/24/2027	9100	11/24/2027		IMPAGA	
18		7000	05/24/2028	9100	11/24/2028		IMPAGA	
19		7000	05/24/2029	9100	11/26/2029		IMPAGA	
TWENTY		7000	05/24/2030	9100	11/25/2030		IMPAGA	

DATOS GENERALES

PRESENTACIÓN: 24/05/2011 12:00:00 A.M. TIPO: CARACTER: 1

TÍTULO: MÉTODO PARA EXHIBIR UNA INTERFAZ DE USUARIO PARA GESTIONAR SESIONES DE COMUNICACIONES EN UN DISPOSITIVO DE COMUNICACIONES Y DISPOSICIÓN ÚTIL PARA APLICAR DICHO MÉTODO

NÚMERO MADRE 0

AGENTE: 1102-

DOMICILIO: LAVALLE 190, PISO 3, C.A. DE BS. AS.

RESO.VIGENTE : FECHA: 15/09/2016 12:00:00 A.M. NRO: AR083237B1

NOTIFICACIÓN: 12/01/2017 02:57:36 P.M. TIPO: CONCEDIDA

TITULAR: AVAYA INC

TÉCNICO: COUSIDO ULISES OCTAVIO

PUBLICACIONES: BOLETIN: 726 FECHA: 13/02/2013 12:00:00 A.M. PUBLICACIÓN: AR083237A1

RESUMEN

SISTEMAS, MÉTODOS Y MEDIOS DE ALMACENAMIENTO NO TRANSITORIOS LEGIBLES POR COMPUTADORA QUE MUESTRAN UNA INTERFAZ DE USUARIO PARA GESTIONAR SESIONES DE COMUNICACIONES EN UN DISPOSITIVO DE COMUNICACIONES. UN SISTEMA CONFIGURADO PARA PONER EN PRÁCTICA EL MÉTODO MUESTRA, EN UNA PRIMERA PORCIÓN LATERAL DE LA INTERFAZ DE USUARIO, UN PRIMER CONJUNTO DE LA INFORMACIÓN CONFIGURABLE POR EL USUARIO PARA LAS COMUNICACIONES. EL SISTEMA MUESTRA, EN UNA SEGUNDA PORCIÓN LATERAL DE LA INTERFAZ DE USUARIO, UN SEGUNDO CONJUNTO DE LA INFORMACIÓN CONFIGURABLE POR EL USUARIO PARA LAS COMUNICACIONES. EL SISTEMA MUESTRA, EN UNA PORCIÓN CENTRAL DE LA INTERFAZ DE USUARIO, UN ESPACIO DE TRABAJO DE COMUNICACIONES PARA GESTIONAR LAS SESIONES DE COMUNICACIONES. EN UNA REALIZACIÓN QUE INCLUYE UNA PANTALLA SENSIBLE AL TACTO, ESTA INTERFAZ SE USA CON UN DISPOSITIVO TABLET TAL QUE, EN UNA POSICIÓN NATURAL, LOS PULGARES DE USUARIO ESTÁN EN UNA POSICIÓN ÓPTIMA PARA INTERACTUAR EFICIENTEMENTE CON LA INTERFAZ DE USUARIO. LAS PORCIONES LATERALES PUEDEN SER CONFIGURABLES POR EL USUARIO PARA MOSTRAR, POR EJEMPLO, CONTACTOS, EVENTOS DE CALENDARIO, TAREAS, MEMOS, ETC.

REIVINDICACIONES

REIVINDICACIÓN: 1.- UN MÉTODO PARA EXHIBIR UNA INTERFAZ DE USUARIO PARA GESTIONAR SESIONES DE COMUNICACIONES EN UN DISPOSITIVO DE COMUNICACIONES, EL MÉTODO CARACTERIZADO PORQUE COMPRENDE LOS PASOS DE: MOSTRAR, EN UNA PRIMERA PORCIÓN LATERAL DE LA INTERFAZ DE USUARIO, PARA UN PRIMER USUARIO, UN ABANICO QUE COMPRENDE UNA PLURALIDAD DE ELEMENTOS DE LA INTERFAZ GRÁFICA DE USUARIO QUE SON DESPLAZABLES POR EL PRIMER USUARIO, EN DONDE UN ELEMENTO DE INTERFAZ GRÁFICA DE USUARIO ACTIVO DE LA PLURALIDAD DE ELEMENTOS DE INTERFAZ GRÁFICA DE USUARIO MUESTRA INFORMACIÓN DE COMUNICACIÓN ASOCIADO CON UN SEGUNDO USUARIO DIFERENTE DEL PRIMER USUARIO, Y EN DONDE LOS ELEMENTOS DE LA INTERFAZ GRÁFICA DE USUARIO INACTIVOS DE LA PLURALIDAD DE ELEMENTOS DE LA INTERFAZ GRÁFICA DE USUARIO MUESTRAN INFORMACIÓN DE COMUNICACIÓN TRUNCADA; Y MOSTRAR, EN LA INTERFAZ DE USUARIO, UNA REGIÓN DE FOCO ACTIVA QUE REPRESENTA USANDO UNA METÁFORA VISUAL SEMEJANTE A UN HAZ DE LUZ, UNA SESIÓN DE COMUNICACIÓN ACTIVA EN LA QUE ESTÁ PARTICIPANDO ACTUALMENTE EL PRIMER USUARIO, LA REGIÓN DE FOCO ACTIVA CUENTA CON ELEMENTOS GRÁFICOS QUE REPRESENTAN A LOS PARTICIPANTES ASOCIADOS CON LA SESIÓN DE COMUNICACIÓN ACTIVA. SIGUEN 19 REIVINDICACIONES.

VISTAS

FECHA GENERACION	FECHA CONTESTACION	FECHA NOTIFICACION	DESCRIPCION
04/10/2011 12:00:00 A.M.	13/09/2012 12:00:00 A.M.	20/03/2012 12:00:00 A.M.	EXAMEN PRELIMINAR
15/08/2014 12:00:00 A.M.	28/11/2014 12:00:00 A.M.	29/08/2014 12:00:00 A.M.	RESOLUCION 187/14

PRIORIDADES

FECHA	NUMERO	PAIS
26/05/2010 12:00:00 A.M.	61/348,550	US
27/12/2010 12:00:00 A.M.	12/978,884	US

ESCRITOS

FECHA	NOTIF.	LEVANTAMIENTO	VENCIMIENTO	TIPO	DETALLE
17/08/2011					
12:00:00 A.M.					
06/08/2012					
12:00:00 A.M.				DESGLOSE	
13/09/2012					
12:00:00 A.M.				N/A CONTESTA	
26/01/2016				VISTA	
12:00:00 A.M.				N/A CONTESTA	
				VISTA	

ANUALIDADES

ANUALIDAD	FECHA PAGO	IMPORTE
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3-7
24/5

P10965

INSTITUTO NACIONAL DE LA PROPIEDAD INDUSTRIAL
ADMINISTRACIÓN NACIONAL DE PATENTES

BUENOS AIRES, 06 de Enero de 2017

Cédula de Notificación

Acta Año: 2011 Oficina: 1 Nro. Solicitud: 01785

Señor(es): AVAYA INC

Domicilio Legal: LAVALLE 190, PISO 3, C.A. DE BS. AS.. C.P.: 1047

Hágase saber al interesado por medio de la presente que:

I. Con fecha 15/09/2016 se ha concedido la Patente de Invención bajo el número: AR083237B1

II. Queda emplazado a retirar el título correspondiente a la misma en un plazo de 30 (treinta) días hábiles, bajo apercibimiento de archivar estos actuados conjuntamente con el título en cuestión.

III. Si no se cumpliera con el pago de las tasas anuales de mantenimiento, y una vez vencidos los plazos legales y reglamentarios vinculados con dicho pago, se procederá a dictar el acto administrativo expreso que declare consumada la caducidad de la patente, causal prevista en el inc. C del art. 62 de la ley 24.481 (T.O. 1996), como así en los artículos 3º, 4º y 5º de la resolución INPI P-225 del 05 de noviembre de 2003.

IV. Que los plazos mencionados ut-supra comenzarán a correr a partir de la presente notificación

NOTIFIQUESE.-

DR. EDUARDO ARIAS
COMISARIO
ADMINISTRACIÓN NACIONAL DE PATENTES





REPÚBLICA ARGENTINA
PODER EJECUTIVO NACIONAL
MINISTERIO DE PRODUCCIÓN

INSTITUTO NACIONAL de la PROPIEDAD INDUSTRIAL

TÍTULO DE
PATENTE DE INVENCIÓN

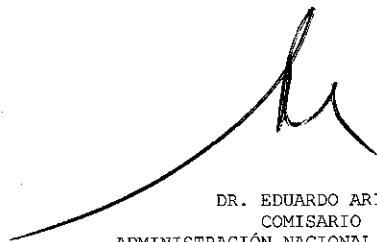
AR083237B1

LA ADMINISTRACIÓN NACIONAL DE PATENTES, CONFORME LO RESUELTO EN EL EXPEDIENTE RESPECTIVO Y EN VIRTUD DE LO DISPUESTO POR LA LEY 24.481 (T.O.1996), Y SU DECRETO REGLAMENTARIO (DECRETO 260/96, ANEXO II), EXTIENDE EN NOMBRE DE LA NACIÓN ARGENTINA EL PRESENTE TÍTULO A AVAYA INC

QUE ACREDITA LA CONCESIÓN DE PATENTE DE INVENCIÓN SOBRE:
MÉTODO PARA EXHIBIR UNA INTERFAZ DE USUARIO PARA GESTIONAR SESIONES DE COMUNICACIONES EN UN DISPOSITIVO DE COMUNICACIONES Y DISPOSICIÓN ÚTIL PARA APLICAR DICHO MÉTODO CUYA DOCUMENTACIÓN ANEXA ES COPIA FIEL DE LA DEPOSITADA EN EL INSTITUTO NACIONAL DE LA PROPIEDAD INDUSTRIAL CONFORME A LO ESTABLECIDO EN EL ART. 35 DE LA LEY 24.481 (DECRETO 260/96 - ANEXO I), EL TÉRMINO POR EL QUE SE ACUERDA LA PATENTE ES POR VEINTE AÑOS IMPRROROGABLES CONTADOS A PARTIR DE LA PRESENTACIÓN DE LA SOLICITUD, POR LO CUAL EXPIRARÁ EL DÍA:

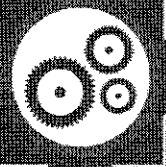
24 DE MAYO DE 2031

BUENOS AIRES, 15 DE SEPTIEMBRE DE 2016



DR. EDUARDO ARIAS
COMISARIO
ADMINISTRACIÓN NACIONAL DE PATENTES

JGLACONE



Patentes de Invención
y Marcas de Fábrica



Patentes de Invención
y Marcas de Fábrica



Patentes de Invención
y Marcas de Fábrica



Patentes de Invención
y Marcas de Fábrica



Patentes de Invención
y Marcas de Fábrica



MEMORIA DESCRIPTIVA DE LA PATENTE DE INVENCION

SOBRE:

**MÉTODO PARA EXHIBIR UNA INTERFAZ DE USUARIO PARA
GESTIONAR SESIONES DE COMUNICACIONES EN UN
DISPOSITIVO DE COMUNICACIONES Y DISPOSICIÓN ÚTIL PARA
APLICAR DICHO MÉTODO**

SOLICITADA POR:

AVAYA INC

CON DOMICILIO EN:

**211 MOUNT AIRY ROAD BASKING RIDGE, NJ, 07920, UNITED STATES
OF AMERICA**

POR EL PLAZO DE VEINTE AÑOS

LA PRESENTE DOCUMENTACION
CONSTA DE 44 FOJAS, ES COPIA
FIEL DE LA QUE OBRA EN LA
ADMINISTRACION NACIONAL DE
PATENTES.
BUENOS AIRES, 15/08/2016



(10) PATENTE DE INVENCION

(11) RESOLUCION NUMERO: AR083237B1

(24) FECHA DE RESOLUCION: 15/09/2016

(--) FECHA DE VENCIMIENTO: 24/05/2031

(21) ACTA NUMERO: P20110101785

(22) FECHA PRESENTACION: 24/05/2011

(51) INT. CL.7: G06F 15/173, 3/00

(30) PRIORIDAD CONVENIO DE PARIS

(31) 12/978,884, 27/12/2010, US

(32) 61/348,550, 26/05/2010, US

(54) TITULO: METODO PARA EXHIBIR UNA INTERFAZ DE USUARIO PARA GESTIONAR SESIONES DE COMUNICACIONES EN UN DISPOSITIVO DE COMUNICACIONES Y DISPOSICION UTIL PARA APLICAR DICHO METODO

(71) TITULAR:

AVAYA INC

---- CON RESIDENCIA EN:

211 MOUNT AIRY ROAD BASKING RIDGE, NJ, 07920, Pais US

(74) AGENTE: 1102

INSTITUTO NACIONAL DE LA PROPIEDAD INDUSTRIAL ADMINISTRACIÓN NACIONAL DE PATENTES Av. Paseo Colón 717 (C1063ACH)-Ciudad de Bs.As.-República Argentina www.inpi.gov.ar	
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ACLARACIONES PREVIAS AL EXAMEN DE FONDO	SOLICITUD N°: P110101785
SOLICITANTE: AVAYA	AGENTE: CLARKE
EXAMINADOR: Ing. Bernardo Elberger	FECHA: 19/10/2015
FECHA INF. ANT:	FECHA DE RESPUESTA:

Int. Cl.⁷: **G06F 15/173, 3/01**

BASE DEL INFORME

<input checked="" type="checkbox"/> SOLICITUD PRESENTADA ORIGINALMENTE EN FECHA: 24/05/2011	
<input checked="" type="checkbox"/> DESCRIPCION, PAGINAS: 1 a 29	PRESENTADA(S) ORIGINALMENTE
DESCRIPCION, PAGINAS:	PRESENTADA(S) EL:
DESCRIPCION, PAGINAS:	PRESENTADA(S) EL:
<input checked="" type="checkbox"/> REIVINDICACION(ES): 1 a 10	PRESENTADA(S) ORIGINALMENTE
REIVINDICACION(ES):	PRESENTADA(S) EL:
REIVINDICACION(ES):	PRESENTADA(S) EL:
<input checked="" type="checkbox"/> DIBUJOS, FIGURA(S): 1 a 9	PRESENTADA(S) ORIGINALMENTE
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DIBUJOS, FIGURA(S):	PRESENTADA(S) EL:

ART. 27 **EF3C90**

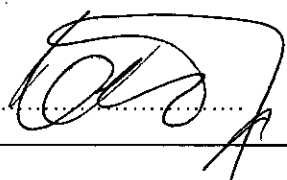

OBSERVACIONES:

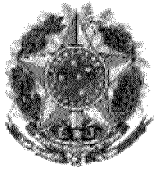
Teniendo en cuenta que la presente solicitud ha sido presentada invocando prioridad, se observa que la misma ha sido concedida por la Oficina de los EEUU bajo el N° de patente US 9.158.444 B2, atento a lo cual se ha procedido a realizar la búsqueda de antecedentes (de acuerdo al alcance del pliego reivindicatorio de la mencionada patente homóloga) sólo en los archivos nacionales, como resultado de la cual no se han detectado antecedentes oponibles, por lo que a los efectos de acelerar la resolución de la presente solicitud en cuanto a dar por cumplidos los requisitos de patentabilidad respecto de la búsqueda internacional y en virtud de lo establecido por el art. 27 de la ley 24.481 (T.O. 1.996), y del art. 27, inc. III - a) de su Reglamento y para mejor proveer, se sugiere al Sr. Solicitante ajustar el alcance de las reivindicaciones de la presente solicitud al alcance con que fuera concedida la patente homóloga US 9.158.444 B2, adecuando dichas reivindicaciones a las exigencias de la Ley 24.481 (T.O. 1996).

Sin perjuicio de lo antes señalado, deberá corregir los siguientes defectos:

(continúa)

26/11 10/12

ACLARACIONES PREVIAS	SOLICITUD N°: P110101785
<p>OBSERVACIONES (Cont.) La reivindicación 10 de dicho documento de patente, al reivindicar un programa de cómputo grabado en un medio de registro, deberá ser eliminada por caer dentro de las excepciones a la patentabilidad dispuestas en el art. 6° de la ley 24481 cuando dice: <i>No se considerarán invenciones para los efectos de esta ley:</i> c) <i>Los planes, reglas y métodos para el ejercicio de actividades intelectuales, para juegos o para actividades económico-comerciales, así como los programas de computación;</i></p> <p>Nota 1: A los efectos de cumplimentar el Art. 32 de la Ley 24481 (TO 1996), se solicita, para mejor proveer, toda vez que se introduzcan modificaciones en el pliego reivindicatorio, se adjunte copia de la 1° reivindicación, agregando la frase: "siguen x reivindicaciones".</p> <p>Nota 2: <u>Para cualquier consulta sobre la solicitud, se deberá concertar previamente una cita por teléfono con el examinador a cargo del mismo (T.E.:4344-4923 al 27).</u></p>	
DAR VISTA	
<p>Firma Examinador: </p>	
<p>NOTIFICACIÓN:</p> <p style="text-align: right;">En atención al informe técnico adjunto, y a lo normado en el art. 27.III.a) del Decreto N° 260/96, Anexo II, otórguese un plazo por el termino de 90 días corridos para contestar las acleraciones previas al examen de fondo. Dicho plazo queda prorrogado en forma automática por TRES (3) períodos consecutivos de TREINTA (30) días corridos cada uno.</p> <p>El solicitante deberá contestar la vista dentro del plazo correspondiente a la vista notificada (90 días corridos) más los plazos correspondientes a los TRES (3) períodos de prórroga de TREINTA (30) días corridos cada una, bajo apercibimiento de considerar desistida la presente solicitud sin más trámite, y sin necesidad de nuevo emplazamiento si el mismo no diera cumplimiento a lo solicitado en el plazo señalado.</p> <p>SE LE HACE SABER QUE NO ES NECESARIO SOLICITAR EL OTORGAMIENTO DE LA PRORROGA, YA QUE LAS MISMAS OPERAN EN FORMA AUTOMÁTICA,</p> <p>EN EL MOMENTO DE CONTESTAR LA VISTA CORRESPONDIENTE, EL SOLICITANTE DEBERÁ ABONAR EL ARANCEL QUE CORRESPONDA DE ACUERDO A LA CANTIDAD DE PRÓRROGAS UTILIZADAS. EN CASO DE NO ABONAR EL SOLICITANTE EL ARANCEL RESPECTIVO, SE LO INTIMARÁ PARA QUE LO EFECTIVICE EN EL PLAZO DE DIEZ (10) DÍAS HÁBILES (ARTÍCULO 1°, INCISO E), APARTADO 4° DE LA LEY N° 19.549), BAJO APERCIBIMIENTO DE CONSIDERAR DESISTIDA SU SOLICITUD CONFORME ARTÍCULO 3° DE LA RESOLUCIÓN N° D-168/01.</p>	
<p>Notificado (Firma y Aclaración):</p> <p>Fecha:</p> <p>Fecha de vencimiento:</p>	<p>Firma Comisario: </p> <p style="text-align: center;">Lic. Patricia M. Vázquez SUBCOMISARIO Administración Nacional de Patentes</p>



República Federativa do Brasil
Ministério do Desenvolvimento, Indústria
e do Comércio Exterior
Instituto Nacional da Propriedade Industrial.

(21) **PI 1102619-7 A2**

(22) Data de Depósito: 26/05/2011
(43) Data da Publicação: 06/11/2012
(RPI 2183)



(51) *Int.Cl.:*
G06F 15/173
G06F 3/01

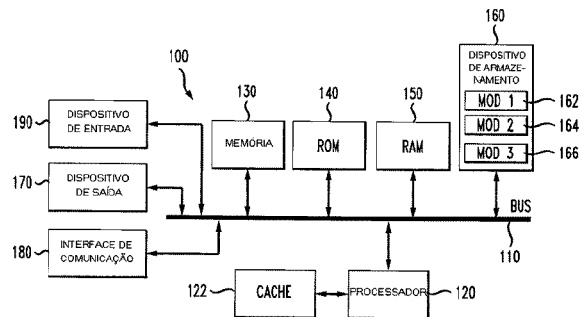
(54) **Título:** INTERFACE DE USUÁRIO PARA GERENCIAR SESSÕES DE COMUNICAÇÃO

(30) **Prioridade Unionista:** 27/12/2010 US 12/978,884,
26/05/2010 US 61/348,550, 26/05/2010 US 61/348,550, 27/12/2010
US 12/978,884

(73) **Titular(es):** Avaya INC.

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(57) **Resumo:** INTERFACE DE USUÁRIO PARA GERENCIAR SESSÕES DE COMUNICAÇÃO. São apresentados aqui, sistemas, métodos, e mídia de armazenamento legíveis pelo computador não-transitórios para exibir uma interface de usuário para gerenciar sessões de comunicação em um dispositivo de comunicação. Um sistema configurado para a prática do método exibe, em uma primeira porção lateral da interface de usuário, um primeiro grupo de informações e comunicação configuráveis pelo usuário. O sistema exibe, em uma segunda porção lateral da interface de usuário, um segundo conjunto de informações de comunicação configuráveis pelo usuário. O sistema exibe, em uma posição central da interface de usuário, um espaço de trabalho de comunicação para gerenciar sessões de comunicação. Em uma modalidade, incluindo um visor sensível ao toque, essa interface é usada com um dispositivo de mesa digitalizadora de modo que uma posição natural dos polegares do usuário esteja em uma posição ótima para interagir eficientemente com a interface de usuário. As porções laterais podem ser configuráveis pelo usuário para exibirem, por exemplo, contatos, eventos organizados no calendário, tarefas, memorandos, e assim por diante.



INTERFACE DE USUÁRIO PARA GERENCIAR SESSÕES DE COMUNICAÇÃO PEDIDOS RELACIONADOS

O presente pedido de patente reivindica prioridade sobre o Pedido Provisório U.S. 61/348.550, depositado no dia 26 de maio de 2010, cujo conteúdo está aqui incorporado a título de referência em sua integridade.

ANTECEDENTES

1. Campo técnico

O presente relatório descritivo refere-se a comunicações e mais especificamente a interfaces de usuário intuitivas para gerenciar comunicações.

2. Introdução

Os fabricantes de telefones de discagem por tom, como os telefones em conformidade com Q.23 do padrão ITU-T, suplementaram a funcionalidade de telefones de discagem por tom através dos anos pela adição de botões de recurso e menus. Os usuários podem ativar simples recursos através de botões e recursos mais complexos através de menus hierárquicos atuados por track balls, indicadores no estilo de quadrante e os similares. Alguns telefones, como os smartphones e outros telefones móveis que incluem visores sensíveis ao toque, também são conhecidos. Porém, esses telefones de tela sensível ao toque simplesmente substituem botões de discagem por tom e botões de recurso ou menus com botões atuadores projetados por um ícone na tela sensível ao toque que é delineada como a funcionalidade equivalente. Telefones de tela sensível ao toque avançaram a técnica um pouco por permitirem que o usuário toque em uma entrada em uma base de dados de contato para chamar aquele contato ou tocar em uma mensagem para contatar o chamador que deixou a

mensagem. Além disso, há uma capacidade de clique para fazer chamada no interior de alguns IP Softphones.

Testes feitos por usuários indicam que certos recursos tornam tal interface de usuário mais intuitiva. Muitas pessoas têm dificuldade para lembrar e implantar sequências de botões específicos para funcionalidades avançadas, como uma chamada em conferência, seletivamente encerrar a chamada de um chamador, mantê-lo aguardando na linha, e atender novas chamadas. Além disso, o uso de botões de recurso e as sequências apropriadas dos botões de recurso também podem ser confusos. Este problema é exacerbado por inúmeras variações de interfaces de usuários de marca para marca e de modelo para modelo. Essa interface intuitiva leva a erros como encerrar chamadas e, como resultado, a perda de produtividade.

Esses problemas se tornam piores em plataformas móveis. Por exemplo, quando um indivíduo está segurando um telefone com o tamanho de uma mesa digitalizadora, PC ou outro dispositivo eletrônico, os dedos do indivíduo terão que simultaneamente fornecer ambas a função de suporte e toque na tela ou de ativação de tecla. Tipicamente, tais dispositivos foram retirados da metáfora de área de trabalho, isto é, controlado por mouse e teclado, com o uso de menus suspensos. Comumente, esses menus suspensos estão localizados na parte superior da tela. Isso resulta em uma disposição muito não-ergonômica um dispositivo portátil.

SUMÁRIO DA INVENÇÃO

Recursos adicionais e vantagens da descrição serão apresentados na descrição que se segue e em parte ficará óbvia através da descrição ou poderá ser aprendida com a

prática dos princípios revelados neste documento. Os recursos e as vantagens da descrição podem ser realizados e obtidos por meio dos instrumentos e combinações particularmente apontados nas reivindicações em anexo.

5 Esses e outros recursos da descrição se tornarão mais completamente aparentes a partir da seguinte descrição e reivindicações em anexo ou podem ser aprendidos com a prática dos princípios revelados neste documento.

As interfaces de dispositivo de comunicação móvel
10 podem ser bem mais intuitivas para seus casos de uso específico do que as janelas controladas por teclado e mouse e a metáfora baseada na área de trabalho. Uma interface de dispositivo de comunicações pode claramente mostrar conexões de chamada, conferências, barras
15 laterais, partes, linhas para serem desconectadas e similares. Além disso, uma metáfora de conexão de chamada gráfica pode ser agnóstico ao tipo de dispositivo de tela sensível ao toque e pode ser agnóstico aos sistemas que estão executando as chamadas, por exemplo, o usuário não
20 precisa saber o que o sistema precisa fazer para implantar os comandos introduzidos pelo usuário.

São descritos os sistemas, métodos e mídias de armazenamento legíveis pelo computador não-transitórias para exibir uma interface de usuário para gerenciar
25 sessões de comunicação em um dispositivo de comunicações. O sistema exibe, em uma primeira porção lateral da interface de usuário, um primeiro conjunto de exibições e informação de comunicação configuráveis pelo usuário, em uma segunda porção lateral da interface de usuário, um
30 segundo conjunto de informações de comunicação

configuráveis pelo usuário. O dispositivo de comunicações
pode receber entradas pelo usuário através de um visor
sensível ao toque, através de contato com a pele e/ou uma
caneta, por exemplo. O dispositivo também pode receber
5 outras entradas como gestos, entrada de teclado, entrada
de mouse e por aí em diante. O primeiro grupo de
informações de comunicação configuráveis pelo usuário e o
segundo grupo de informações de comunicação configuráveis
pelo usuário podem ser, cada um, por exemplo, informação
10 de contatos, informação de cronograma, informação da
sessão de comunicação atual, aplicativos, e/ou outros
recursos de comunicação de multimídia. A informação de
contatos pode incluir um nome, número de telefone,
endereço de email, endereço de mensagem instantânea, link
15 de mídia social, uma imagem, informação de presença,
informações de relacionamento, informações comerciais,
anotações pessoais e outros links de comunicação. O sistema
pode exibir a informação de contatos com base em pelo menos
uma dentre a ordem alfabética e a frequência de uso. A
20 frequência de uso pode ser baseada adicionalmente em pelo
menos uma dentre: tópico, projeto e novidade de uso. Em uma
modalidade, um nível de confiança entre um usuário e um
contato particular restringe que informações de contatos
são exibidas para o contato particular. Os contatos podem
25 ser organizados no conjunto de contatos dentro de grupos
expansíveis. As porções laterais da interface de usuário
podem estar, por exemplo, do lado esquerdo e do lado
direito da tela do dispositivo. Os conjuntos podem incluir
um índice associado ao primeiro grupo de informações de
30 comunicação configuráveis pelo usuário, como um índice

alfabético para rapidamente pular para um grupo particular de informações.

O sistema 100 exibe, em uma posição central da interface de usuário, um espaço de trabalho de comunicação que inclui uma região de foco de luz ativa. O espaço de trabalho pode exibir pelo menos uma sessão de comunicação atual. A interface também pode incluir controlares e configurações com base em pelo menos uma sessão de comunicação atual. Em um aspecto, o sistema adicionalmente recebe uma entrada do usuário para alternar de uma sessão de comunicação ativa de uma primeira sessão de comunicação atual, para uma segunda sessão de comunicação, estabelece a segunda sessão de comunicação como uma sessão de comunicação ativa e atualiza o espaço de trabalho de comunicação para refletir a sessão de comunicação ativa. A interface de usuário específica, a arquitetura do sistema e os exemplos de método fornecidos abaixo são ilustrativos e podem ser implantados em diferentes maneiras sem se afastar do espírito e escopo da descrição.

20 BREVE DESCRIÇÃO DOS DESENHOS

De modo a descrever a maneira em que as vantagens e características supracitadas da descrição podem ser obtidas, uma descrição mais específica dos princípios brevemente descritos acima será apresentada através de referência a modalidades específicas da mesma as quais são ilustradas nos desenhos em anexo. Uma vez compreendido que esses desenhos mostram somente modalidades exemplificadoras da descrição e, portanto, não devem ser considerados como sendo limitadores desse escopo, os princípios na presente invenção são descritos

e explicados com detalhes e especificidade adicionais através do uso dos desenhos em anexo nos quais:

A Figura 1 ilustra uma modalidade de sistema exemplificadora;

5 A Figura 2 ilustra uma primeira interface de usuário exemplificadora;

A Figura 3 ilustra uma segunda interface de usuário exemplificadora;

10 A Figura 4 ilustra uma terceira interface de usuário exemplificadora;

A Figura 5 ilustra uma quarta interface de usuário exemplificadora;

A Figura 6 ilustra uma quinta interface de usuário exemplificadora;

15 A Figura 7 ilustra uma sexta interface de usuário exemplificadora;

A Figura 8 ilustra uma infra-estrutura de comunicações exemplificadora; e

20 A Figura 9 ilustra modalidade de método exemplificadora.

DESCRIÇÃO DETALHADA

Várias modalidades da descrição são discutidas em detalhe abaixo. Enquanto as implantações específicas são discutidas, deve-se entender que isso é feito somente por
25 motivos de ilustração. Um indivíduo versado na relevante técnica reconhecerá que outros componentes e configurações podem ser usados sem que se separe do espírito e escopo da descrição.

O presente relatório descritivo contempla a
30 necessidade na técnica de interfaces de usuários

aprimoradas para se gerenciar comunicações. Um sistema, um método e uma mídia legível por computador não transitória são apresentados para exibir a interface de usuário para gerenciar sessões de comunicação em um dispositivo de comunicações. Uma breve descrição introdutória de um sistema de propósito geral básico ou um dispositivo de computação na Figura 1, o qual pode ser empregado para praticar os conceitos, é apresentada na presente invenção. Uma descrição mais detalhada dos métodos e interfaces gráficas será encontrada logo a seguir. Essas variações devem ser discutidas na presente invenção enquanto as várias modalidades são apresentadas. A descrição faz referência, agora, à Figura 1.

Com referência à Figura 1, um sistema exemplificador 100 inclui um dispositivo de computação de propósito geral 100, que inclui uma unidade de processamento (CPU ou processador) 120 e um barramento de sistema 110 que acopla vários componentes do sistema incluindo a memória do sistema 130 como a memória de somente leitura (ROM) 140 e a memória de acesso aleatório (RAM) 150 para o processador 120. O sistema 100 pode incluir um cache de memória de alta velocidade conectada diretamente com, em posição próxima a, ou integrada como parte do processador 120. O sistema 100 copia informações a partir da memória 130 e/ou do dispositivo de armazenamento 160 para o cache para o acesso rápido através do processador 120. Dessa maneira, o cache fornece um reforço do desempenho que evita atrasos do processador 120 enquanto aguarda as informações. Esses e outros módulos podem controlar ou serem configurados para controlar o processador 120 para

que ele desempenhe várias ações. Outra memória 130 do sistema pode estar também disponível para uso. A memória 130 pode incluir múltiplos e diferentes tipos de memória com diferentes características de desempenho. Pode-se 5 avaliar que a descrição pode operar em um dispositivo de computação 100 com mais que um processador 120 ou em um grupo ou agrupamento de dispositivos de computação interligados em rede para fornecer uma maior capacidade de processamento. O processador 120 pode incluir qualquer 10 processador de propósito geral e um módulo de hardware ou módulo de software, tal como o módulo 1 162, o módulo 2 164 e o módulo 3 166 armazenados no dispositivo de armazenamento 160, configurados para controlar o processador 120 assim como um processador de propósito 15 especial no qual instruções de software são incorporadas no projeto do processador real. O processador 120 pode ser essencialmente um sistema de computação completamente autônomo, que contém múltiplos núcleos ou processadores, um barramento, um controlador de memória, um cache, etc. Um 20 processador multinúcleo pode ser simétrico ou assimétrico.

O barramento de sistema 110 pode ser qualquer um os dentre diversos tipos de estruturas de barramento, incluindo um barramento de memória ou um controlador de memória, um barramento periférico e um barramento local 25 usando qualquer uma dentre uma variedade de arquiteturas de barramento. Um sistema básico de entrada/saída (BIOS) armazenado na ROM 140, ou nas similares, pode fornecer uma rotina básica que auxilia na transferência de informações entre os elementos no interior do dispositivo de computação 30 100, como durante a inicialização. O dispositivo de

computação 100 adicionalmente inclui dispositivos de armazenamento 160 como uma unidade de disco rígido, uma unidade de disco magnética, uma unidade de disco óptica, uma unidade de fita ou similares. O dispositivo de armazenamento 160 pode incluir os módulos de software 162, 164, 166 para controlar o processador 120. Outros módulos de hardware ou de software são contemplados. O dispositivo de armazenamento 160 é conectado ao barramento de sistema 110 através de uma interface de unidade. As unidades e as associadas mídias de armazenamento legíveis por computador fornecem armazenamento não-volátil de instruções legíveis por computador, estruturas de dados, módulos de programa e outros dados para o dispositivo de computação 100. Em um aspecto, um módulo de hardware que desempenha uma função particular inclui o componente de software armazenado em uma mídia legível por computador não-transitória conectado aos componentes de hardware necessários, como o processador 120, o barramento 110, o visor 170, e daí por diante, para executar a função. Os componentes básicos são conhecidos aos indivíduos versados na técnica e as variações adequadas são contempladas dependendo do tipo de dispositivo, como, por exemplo, se o dispositivo 100 for um dispositivo de computação pequeno e portátil, um computador desktop ou um servidor de computador.

Apesar das modalidades exemplificadoras descritas na presente invenção empregarem o disco rígido 160, deve ser avaliado, pelos indivíduos versados na técnica, que outros tipos de mídias legíveis por computador as quais podem armazenar dados que são acessíveis por um computador, como fitas cassete magnéticas, cartões de memória rápida, discos

versáteis digitais, cartuchos, memórias de acesso aleatório (RAMs) 150, memória de somente leitura (ROM) 140, um sinal de cabo ou sem fio contendo um fluxo de bits e os similares, também podem ser usados no ambiente operacional exemplificador. As mídias de armazenamento legíveis pelo 5 computador não-transitórias expressamente excluem as mídias como energia, sinais portadores, ondas eletromagnéticas e os próprios sinais.

Para possibilitar a interação do usuário com o 10 dispositivo de computação 100, um dispositivo de entrada 190 representa qualquer número de mecanismos de entrada, como um microfone para a fala, uma tela sensível ao toque para entradas gestuais ou gráficas, um teclado, um mouse, uma entrada de movimento, de fala e daí por diante. Um 15 dispositivo de saída 170 também pode ser um ou mais de uma variedade de mecanismos de saída conhecidos pelos indivíduos versados na técnica. Em alguns casos, os sistemas multimodais capacitam um usuário a fornecer múltiplos tipos de entrada para comunicação com o 20 dispositivo de computação 100. A interface de comunicações 180, em geral, administra e gerencia a entrada e a saída do usuário no sistema. Na há restrições de se operar em qualquer disposição de hardware particular e, portanto, os recursos básicos descritos aqui podem facilmente ser 25 substituídos por aprimorados hardwares ou disposições de suporte lógico inalteráveis enquanto são desenvolvidos.

Com propósitos de esclarecimento de explicação, a modalidade de sistema ilustrativa é apresentada como incluindo blocos funcionais individuais incluindo blocos 30 funcionais identificados como um "processador" ou um

processador 120. As funções que esses blocos representam podem ser fornecidas através do uso tanto de hardware compartilhado como de hardware dedicado, incluindo, mas não limitado a, hardwares capazes de executar software e hardware, como um processador 120, que é construído com o propósito de operar como um equivalente ao software executado em um processador de propósito geral. Por exemplo, as funções de um ou mais processadores apresentadas na Figura 1 podem ser fornecidas por um único processador compartilhado ou por múltiplos processadores. (O uso do termo "processador" não deve ser interpretado como se referindo exclusivamente aos hardwares capazes de executar softwares.) As modalidades ilustrativas podem incluir microprocessadores e/ou hardwares processadores de sinal digital (DSP), memória de somente leitura (ROM) para armazenar softwares desempenhando as operações discutidas abaixo, e memória de acesso aleatório (RAM) para armazenar resultados. As modalidades de hardwares de integração em escala muito grande (VLSI), assim como um conjunto de circuitos VLSI feito sob medida em combinação com um circuito DSP de propósito geral, também podem ser fornecidas.

As operações lógicas das várias modalidades são implantadas de tal forma: (1) uma sequência de etapas implantadas por computador, operações ou procedimentos em execução no circuito programável dentro de um computador de uso geral, (2) uma sequência de etapas implantadas por computador, operações ou procedimentos em execução em um circuito programável de uso específico; e/ou (3) módulos de máquina interconectados ou mecanismos de programa dentro

dos circuitos programáveis. O sistema 100 mostrado na Figura 1 pode praticar todos ou parte dos referidos métodos, pode ser parte dos referidos sistemas, e/ou pode operar de acordo com as instruções na referida mídia de armazenamento legível pelo computador não-transitória. Tais operações lógicas podem ser implantadas como módulos configurados para controlar o processador 120 para que este desempenhe funções particulares de acordo com a programação do módulo. Por exemplo, a Figura 1 ilustra três módulos Mod1 162, Mod2 164 e Mod3 166 que são módulos configurados para controlar o processador 120. Esses módulos podem ser armazenados no dispositivo de armazenamento 160 e carregados dentro da RAM 150 ou da memória 130 durante o tempo de execução ou podem ser armazenados, conforme pode ser conhecido na técnica, em outros locais de memória legíveis por computador.

Após apresentar alguns componentes básicos do sistema de computação, a descrição refere-se à primeira interface de usuário exemplificadora 200 ilustrada na Figura 2. Essa interface mostra uma primeira porção lateral 202, uma segunda porção lateral 204 e uma posição central 206. A primeira porção lateral 202 mostra uma lista paginável de eventos organizados no calendário, selecionável e modificável pelo usuário. A segunda porção lateral 204 mostra um conjunto de listas de contatos pagináveis, selecionáveis e modificáveis pelo usuário. Em um aspecto, o sistema fornece padrões como informações de calendário no leque esquerdo e informações de contatos no leque direito, mas o usuário pode estabelecer configurações personalizadas que fogem dos padrões do sistema. A posição central 206

mostra uma representação gráfica de uma ou mais sessões de comunicação, como um telefonema, uma conferência de vídeo ou uma sessão de mensagens instantâneas. Cada sessão de comunicação pode incluir um ou mais outros usuários e uma ou 5 mais modalidades de comunicação. Nesse exemplo, a interface de usuário representa cada sessão de comunicação usando uma metáfora de foco de luz. O foco de luz mostra quais usuários estão participando na sessão de comunicação. A interface 200 pode incluir múltiplos focos de luz para 10 diferentes sessões de comunicação concomitantes. Porém, a interface 200 retrata a sessão de comunicação ativa enquanto um foco de luz encontra-se em primeiro plano na interface. Uma sessão de comunicação ativa é aquela na qual o usuário está participando atualmente. Por exemplo, o 15 usuário está falando com a irmã através do telefone como uma sessão de comunicação ativa. Caso o usuário receba uma mensagem instantânea, o foco de luz que representa a conversa telefônica é articulado para uma posição posterior na interface para ceder espaço para a entrada da sessão de 20 mensagens instantâneas, que é representada como o novo foco de luz ativo. Nesse exemplo, as preferências do usuário e/ou do sistema podem determinar se o usuário ainda está falando no telefone com a irmã ou não. O foco de luz ativo indica em que sessão de comunicação está o alvo atual das ações do 25 usuário e, de entrada, através da interface e não necessariamente em que sessão de comunicação o usuário está se comunicando exclusivamente. O usuário pode se comunicar através de múltiplas sessões de comunicação simultaneamente. O foco de luz ativo pode ser maior, 30 alternado em uma posição central, mais luminoso, ter uma

cor diferente de iluminação e daí por diante, do que o(s) foco(s) de luz não-ativo(s). A interface de usuário pode ativar transições de foco de luz de ativos para não-ativos e vice versa.

5 Essa interface de usuário 200 exemplificadora dispõe importantes funções ao longo das bordas esquerda e direita do visor/tela sensível ao toque, tal que, enquanto o usuário está segurando o dispositivo, ele pode usar seus polegares para visualizar, selecionar e acionar os controles sem
10 mudar a sua empunhadura.

Quando um usuário está usando um PC típico, as janelas são abertas através de uma área de trabalho. Os usuários devem não apenas gerenciar o trabalho dentro dos conteúdos da janela, mas também devem gerenciar as janelas e os
15 layouts de janela sozinhos, seletivamente minimizando e maximizando os aplicativos para evitar que a tela se torne cheia e amontoada demais. Essa interface do usuário para um aplicativo, uma sessão de comunicação ou outros materiais colaborativos como documentos ou outros recursos com o uso
20 de uma metáfora diferente da apresentação de janela típica.

A Figura 3 ilustra uma segunda e levemente mais detalhada interface de usuário 300 exemplificadora. Essa interface 300 também inclui uma primeira porção lateral 302, uma segunda porção lateral 304 e um espaço de trabalho
25 central 306 que apresenta um foco de luz. A primeira porção lateral 302 nesse exemplo é uma lista de eventos organizados no calendário. O usuário pode clicar, arrastar, dar um leve toque, e/ou rolar através de uma pequena lista de leques 310 de eventos organizados no calendário. Um
30 usuário pode clicar em um evento do calendário para editar

o evento ou visualizar detalhes adicionais. Adicionalmente, a primeira porção lateral 302 pode incluir um índice 308 ordenado por data, por exemplo, para que o usuário possa rapidamente saltar para outras porções do calendário para visualizar diferentes eventos. A primeira porção lateral 5 302 também pode incluir uma barra de menus 312 para manipular os eventos existentes organizados no calendário ou para adicionar novos eventos organizados no calendário. O usuário também pode selecionar o tipo de informação 10 exibida na primeira porção lateral 302. Um menu seleção de leque 314 permite que o usuário selecione um diferente tipo de informação para ser exibida na primeira porção lateral 302. Por exemplo, o usuário pode selecionar, através do menu seleção de leque 314, para exibir aplicativos, 15 contatos ou memorandos no lugar dos eventos organizados no calendário.

O leque de eventos organizados no calendário 310 ou, escalonador, pode conter informações como evento, local, pessoas envolvidas, informação de contatos, planta baixa, 20 mapas de ruas, sessões de comunicação constantes, documento atuais associados com reuniões recorrentes e outras informações similares ou relevantes. O escalonador pode apresentar informações que o usuário pode precisar para participar de ou fornecer entrada para uma reunião 25 agendada. No lugar do escalonador ou do leque de calendário, o sistema pode exibir um conjunto de aplicativos sequenciados como, por exemplo, um aplicativo para preparar reuniões, um aplicativo para desconectar sessões de comunicações, um aplicativo de escala de 30 comunicações urgente ou outros aplicativos.

De modo similar, o usuário pode selecionar, através de outro menu seleção de leque 316, que informação quer exibir no leque na segunda porção lateral 304. Em ambos os leques de informação, um item central (ou outro item no leque) 5 pode ser aumentado 318 para mostrar detalhes adicionais. No caso de um contato aumentado ou expandido 318, os detalhes adicionais podem incluir disponibilidade 318a, 318h, 318c, com base na informação de presença do contato, para diferentes modalidades de comunicação como o telefone, a 10 conferência de vídeo, o email, a mensagem instantânea e a mensagem de texto. Adicionalmente, o leque pode incluir espaços reservados representando os grupos de contatos. Quando o usuário seleciona um ícone ou outra representação de um grupo, o sistema pode substituir o leque existente 15 por um leque novo do grupo selecionado ou o sistema pode adicionar um leque concêntrico ou paralelo à borda interna ou externa do leque existente. Uma hierarquia de grupos aninhados pode gerar um conjunto de leques concêntricos ou círculos. Os leques concêntricos ou círculos podem 20 parcialmente sobrepor um ao outro, podem se tocar ou podem ser espaçados. Quando o sistema exibe uma lista de grupos no leque, a interface pode destacar o grupo selecionado para exibição da mesma maneira que o contato central é destacado. O sistema pode exibir os ícones de canal do lado 25 esquerdo do cartão para um grupo da mesma maneira que para um contato individual. No caso do grupo, no entanto, a indicação de presença pode indicar a atividade do grupo. Caso um membro do grupo esteja usando o telefone, o ícone de telefone ficará amarelo. Caso todos os membros do grupo 30 estiverem online e disponíveis para uma Conferência de IM,

o indicador de IM para o grupo pode estar verde.

As informações de contatos podem ser listadas como números de telefone de casa, do trabalho, ou de celular, email, IM, mídias sociais, e/ou outros tipos de vínculos de comunicação como necessário para abranger totalmente os métodos de contato com uma entidade específica. Em um aspecto, o contato pode ser personalizado, tal como a exibição de uma foto diferente para o trabalho ou para casa ou baseada em um modo ou meio de comunicação particular. A visualização do contato pode ser contextual com base em um tópico particular de conversa ou com base em um relacionamento entre o contato e o usuário. A visualização expandida do contato pode incluir fotos, avatares, vídeos, informação de rede social e outras descrições e informações. A interface 300 pode apresentar contatos hierarquicamente, como uma listagem da pessoa seguida de casa, trabalho e outras variações, cada uma com informações de contatos apropriadas, ou, pode ser exibida como uma listagem plana como selecionado ou apropriado. O sistema pode apresentar contatos em ordem alfabética, por frequência enfileirada de uso, por tópico, por projeto, e/ou o sistema pode reorganizar contatos dinamicamente entre as diversas combinações do mesmo. O nível de confiança entre as entidades pode determinar limites no que diz respeito ao tipo e variedade dos ícones e outras informações pessoais que estão disponíveis para uma única entidade. Os ícones podem ser estáticos, em alguns casos, quando o nível de confiança ou algum outro fator faz com que a recuperação de atualizações atuais seja impraticável ou impossível, ou os ícones podem ser dinâmicos e podem

indicar a presença, contexto, personalidade, planejamento e/ou outros fatores da entidade com a qual alguém deseja se comunicar. O sistema pode apresentar o contexto e a personalidade na interface de usuário localmente ou remotamente com base nessa relação de confiança com a outra entidade, ou pode ser localmente fornecida quando tal relação de confiança não existe, por exemplo, as informações podem ser acrescentadas, excluídas ou armazenadas localmente. Os usuários podem selecionar o ícone do contato apropriado para indicar que tipo de comunicação deve ser iniciada, por exemplo.

O sistema também pode exibir outras informações contextuais próximo aos itens selecionados no leque. O sistema pode exibir conversas anteriores com aquele contato, um mapa indicando onde o contato trabalha, amigos de rede sociais em comum e interesses comuns, anotações pessoais como aniversários de familiares e datas importantes, e daí por diante. O gerenciador de contatos pode estar totalmente integrado tanto com as funções de telecomunicações como com as de computação e pode ser alimentado por uma mistura complexa de descoberta de contato para adicionar contatos com o objetivo de preencher totalmente o equivalente a um vCard. Dessa maneira, a interface de usuário não permite apenas facilidade para usar as multimídias e comunicações multimodais, mas também varia dinamicamente com base em pelo menos um participante ou contato, como uma entidade que fez a ligação e uma entidade que recebeu a ligação.

Outro elemento da interface de usuário é o foco de luz no espaço de trabalho central 306. A interface usa a

metáfora de foco de luz para adicionar um aplicativo à sessão de comunicação. O aplicativo pode ser acrescentado de um PC local, extraído a partir de um servidor corporativo, um servidor baseado em nuvem, ou requisitado como um recurso de um servidor de licenciamento ou servidor de conferência de multimídia. Esse foco de luz e estágio podem ser uma simples sessão de comunicação entre duas entidades em uma modalidade de comunicação ou podem ser uma sessão complexa de múltiplas entidades em múltiplas modalidades de comunicação. A descrição da sessão pode ser simplesmente dois ícones ou pode ser uma disposição de ícones conectados pela forma ou, de outra maneira, agrupados para mostrar pessoas co-localizadas e/ou remotamente localizadas. A porção de foco de luz pode mostrar barras laterais, meios/modos de contato alternativos, e/ou outras informações. Depois que uma sessão é iniciada, a interface 300 pode mostrar um menu de mídia 332 contendo controles apropriados às mídias como ativar mudo, ASR com rolamento de texto representando o áudio, ou outras informações para uma chamada de voz. De modo similar, a interface pode exibir outras informações de controle para mídias alternativas e pode exibir, por exemplo, o tempo de comunicação decorrido, o tempo restante antes que outra sessão seja agendada para começar, ou similares. Abaixo do estágio central podem estar os modos e meios de comunicações específicas que podem ser usados como descrito acima. O sistema pode também fornecer uma capacidade de busca para que se adicione facilmente outras entidades à sessão de comunicação. Múltiplas sessões de comunicação paralelas

podem ser iniciadas e representadas através de múltiplos focos de luz. Cada foco de luz pode ter qualquer um ou todos os recursos fornecidos acima. A exibição pode representar chamadas recebidas ou outras sessões de comunicação de modo similar. Adicionalmente, qualquer aplicativo pode ser iniciado tanto como uma parte da sessão de comunicação ou como independente de uma sessão de comunicação usando a estrutura de leque e a metáfora de foco de luz.

Os usuários podem acessar mensagens com um rico conjunto de características usando o mesmo estágio central e o paradigma do foco de luz. De modo a alternar entre as diferentes atividades e atrair, de maneira apropriada, o olhar do usuário, os focos de luz podem ser girados como se estivessem sendo girados em um palco de teatro. Essa interface permite rotação entre as sessões e a mudança de foco de luz, uma rápida alternância entre as sessões SIP, Google Waves, ou outras sessões similares. O usuário pode fazer transições com mais rapidez e pode unir múltiplas sessões e separá-las. Um gesto de rotação do usuário pode gerenciar o estágio/foco de luz e desse modo rapidamente alternar entre as sessões. A mesma metáfora pode ser usada para gerenciar ou alternar entre os aplicativos, documentos e outros materiais relacionados às sessões de comunicação.

Essa interface pode incluir opções para criar e manipular sessões de comunicação de grupo. Um usuário monta a sua lista de participação da conferência e então o sistema recomenda um canal de comunicação para ser usado para a conversa com base na disponibilidade dos diferentes canais de comunicação para cada participante potencial. Por

exemplo, caso o usuário reúna 5 pessoas para uma comunicação e 2 pessoas já estejam usando os seus telefones, o sistema pode recomendar uma sessão de comunicação IM. Uma metáfora similar se aplica para uma
5 comunicação de grupo.

Adicionalmente, a interface 300 pode incluir uma barra de notificação 320 para fornecer informações como notificações que não interrompem a sessão de comunicação atual no foco de luz 306 e que não exigem interação
10 adicional do usuário. A barra de notificação 320 pode incluir sessões dedicadas para os diferentes tipos de notificações, mas a barra de notificação 320 pode exibir, como flexibilidade, notificações em qualquer disposição fixa ou dinâmica. A barra de notificação 320 pode exibir
15 imagens de multimídia, animações, som, vibrações e por aí em diante para fornecer alertas 322, data e hora 324, lembretes 326, um status atual 328 e uma presença atual 330. Os alertas 322 podem incluir diversas comunicações pendentes ou perdidas ou tentativas de comunicação. Por
20 exemplo, o sistema pode mostrar emails não lidos, mensagens instantâneas não respondidas e chamadas de telefone perdidas. O sistema pode mostrar lembretes 326 dos próximos eventos do calendário e algumas ou todas as informações importantes associadas ao evento do calendário que está
25 próximo, como o título, a hora, a data, lembretes, e uma contagem regressiva de quanto tempo falta para o evento ocorrer e por aí em diante. O status atual 328 e a presença 330 podem mostrar, por exemplo, quais modalidades de comunicação o usuário tem disponíveis, uma mensagem de
30 status atual e daí por diante. O usuário pode manipular

essas configurações clicando sobre ou tocando levemente na área de notificação de status 328 ou na área de notificação presente 330.

A barra de notificação 320 pode exibir fatores temporais como data, dia, hora, mensagens agrupadas por tipo (como mensagens de voz, email, IM, etc.), o status de presença atual do usuário, e/ou presença condicional, uma vista das "novidades" que retrata a próxima atividade agendada em detalhe como uma alternativa para as janelas instantâneas. Em outras modalidades, a barra de notificação 320 também pode incluir o acesso ao comunicador de porta de escritório, monitoramento de transmissão de vídeo de um ambiente de escritório, ou outros aplicativos, mídias ou recursos. A barra de notificação 320 pode ficar na parte superior ou inferior do visor ou em algum outro local e também pode mostrar múltiplas aparências de linha ou enlace, relações entre o chefe e os assistentes e outras informações.

Quando um usuário recebe uma IM ou email ou tem sua atenção chamada por um alerta de reunião, isto é tipicamente feito através de um alerta na tela. A barra de notificação 320 fornece um espaço persistente e dedicado, para apresentar uma vista das novidades de informações importantes, em vez de ter uma janela instantânea disposta aleatoriamente conduzida pela aplicação em questão. Esta metáfora gráfica mostra uma rica conectividade de informações, onde o usuário pode simultaneamente adicionar aplicativos através da metáfora de apresentação. Esta abordagem diferencia os componentes da sessão dos componentes da aplicação, fazendo o uso da mesma metáfora

gráfica e dos mesmos meios de seleção/ativação para ambos.

A um alto nível, esta interface para um dispositivo móvel com uma tela sensível ao toque uni as informação de contatos, informação de cronograma, informação de
5 comunicação atual, e/ou outros recursos de multimídia importantes ou comunicações multimodais em uma interface única e fácil de usar. Adicionalmente, o importante acesso e os mecanismos de controle são dispostos perto dos lados das mãos esquerda e direita do visor e da 'tela sensível ao
10 toque. Uma combinação de pré-seletores suspensos para determinar o conteúdo dos leques esquerdo e direito e os leques são usados para localizar, visualizar e ativar contatos, cronogramas, aplicativos, e outros materiais de colaboração. Um leque é um elemento de interface gráfica de
15 usuário com base em uma metáfora Rolodex para que um usuário possa mover ou rolar através de um leque to para paginar para um contato particular. O usuário pode manipular o leque clicando e arrastando, movimentando, dando um leve toque, segurando e arrastando, dando um leve toque em um
20 botão de rolar para ima ou para baixo e assim por diante. Em outro aspecto, o leque pode ser entendido não como um Rolodex, mas como a borda externa de uma roda com seu centro fora da tela, para que o usuário possa rodar a roda para cima e para baixo para visualizar diferentes porções
25 das informações armazenadas na roda. Em qualquer caso, a interface de usuário pode animar um movimento de rolagem, enquanto o usuário navega através dos contatos ou outras informações apresentadas no leque. Em um aspecto, o tamanho, a posição, o formato, e/ou a correspondência do leque são
30 projetados com base em um arco e uma posição esperada e do

dedo polegar de um usuário, enquanto este segura o dispositivo que exibí a interface de usuário. O gesto curvado, arqueado de um dedo polegar na tela sensível ao toque pode controlar o acesso ao leque ou a roda.

5 A Figura 4 ilustra um terceiro exemplo de interface de usuário 400. Neste exemplo, o leque de eventos 402 e o leque de contatos 406 são minimizados para uma vista abreviada. A região central 404 inclui um foco de luz 408, que representa uma sessão de comunicação atual. O foco de
10 luz 408 inclui um ou mais cartão de participante 410. Adicionalmente, a interface 400 mostra um menu de controle de chamada expandida 412 para manipular o foco de luz 408 ou os participantes associados com a sessão de comunicação representada pelo foco de luz 408.

15 A Figura 5 ilustra um quarto exemplo de interface de usuário 500. Neste exemplo, a região esquerda 502 e a região direita 506 têm um tamanho normal, e a região central 504 mostra a janela de conferência de vídeo no lugar de um foco de luz. A janela de conferência de vídeo
20 inclui uma vista do outro usuário na conferência de vídeo 508 e uma vista menor do usuário 510. A interface pode apresentar a vista de conferência de vídeo também de diferentes maneiras. Por exemplo, em uma conferência de vídeo de quatro participantes, o vídeo de cada participante
25 pode ser do mesmo tamanho em vez da abordagem grande/pequeno mostrada na Figura 5. Em um aspecto, a interface 500 pode incluir um botão ou outro elemento de interface, para permitir que o usuário alterne entre o modo de tela inteira e o modo que não é de tela inteira.

30 A Figura 6 ilustra um quinto exemplo de interface de

usuário 600 para exibir pessoas e informações contextuais. Nesta interface, o leque de calendário 602 é minimizado e o leque de contatos 606 não é minimizado. A área central 604 mostra um foco de luz que não tem uma sessão de comunicação atual, mas está pronto para aceitar ou iniciar a sessão de comunicação. Neste exemplo, o usuário navegou para o contato Jen Edwards e clicou ou deu um leve toque em sua entrada para informações adicionais. O sistema mostra janelas instantâneas de informações contextuais 610, que inclui informações como seu endereço, rede social, arquivos armazenados, conversas anteriores com o usuário, e assim por diante. A janela instantânea 610 pode incluir guias adicionais 612 para categorizar informação adicional. O usuário pode manipular as informações e/ou as fontes de informações nas janelas instantâneas 610.

A Figura 7 ilustra um sexto exemplo de interface de usuário 700. Nesta interface, o leque de calendário 702 é expandido e o leque de contatos 706 é minimizado. O usuário pode selecionar ou abrir dois eventos organizados no calendário, a partir do leque de calendário 702. A interface 700 mostra os eventos organizados no calendário 708, 710 lado a lado na região central 704 para que o usuário possa manipular. O usuário pode transferir elementos individuais de um evento do calendário para outro. O usuário pode editar os detalhes de cada evento do calendário e deletar eventos organizados no calendário.

A Figura 8 ilustra um exemplo de infra-estrutura de comunicações 800. Neste exemplo, um usuário 802 se comunica através de um dispositivo de comunicações móvel ou portátil 804 com outros usuários 810, 812 na sessão de comunicação. O

dispositivo de comunicações 804 pode incluir um local de base de dados 806 para armazenamento. Os diferentes dispositivos de usuários podem se comunicar uns com os outros, através de uma rede de comunicações 808 que pode ser uma rede com ou sem fio, como a Internet ou outra rede adequada de telecomunicações. Em um aspecto, um dos dispositivos de usuário age como um servidor para executar a sessão de comunicação. Em outro aspecto, um servidor de comunicação 814 com uma base de dados baseada em rede 816 gerencia a sessão de comunicação. Quando o dispositivo de usuário 804 gera a interface de usuário, o dispositivo pode receber dados, como informação de contatos, informação de presença, imagens, documentos, e outras fontes, a partir de uma ou mais base de dados local 806, uma base de dados da rede 816, ou uma base de dados em outro local de usuário.

Após apresentar alguns componentes básicos do sistema, a descrição se dedica agora à modalidade do método exemplificativo mostrada na Figura 9. Com propósitos de esclarecimento, o método é discutido como um sistema exemplificador 100 como mostrado na Figura 1 configurado para mostrar a interface de usuário para gerenciar sessões de comunicação no dispositivo de comunicações. Os 100 visores do sistema, na a primeira porção lateral da interface de usuário, um primeiro grupo de informações de comunicação configuráveis pelo usuário (902) e visores, na segunda porção lateral da interface de usuário, um segundo conjunto de informações de comunicação configuráveis pelo usuário (904). O dispositivo de comunicações pode receber uma entrada do usuário através de um visor sensível ao toque pelo contato com a pele e/ou uma caneta, por exemplo.

O dispositivo também pode receber outras entradas como gestos, entrada do teclado, entrada de mouse, e assim por diante. O primeiro grupo de informações de comunicação configuráveis pelo usuário e o segundo conjunto de 5 informações de comunicação configuráveis pelo usuário podem cada um ser, por exemplo, informação de contatos, informação de cronograma, informação da sessão de comunicação atual, aplicativos, e/ou outro recursos de comunicação de multimídia. A informação de contatos pode 10 incluir um nome, número de telefone, endereço de email, endereço de mensagem instantânea, enlace de mídia social, uma imagem, informação de presença, informações de relacionamento, informação comercial, anotações pessoais, e outros enlaces de comunicação. O sistema 100 pode mostrar a 15 informação de contatos com base, pelo menos, em uma entre ordem alfabética e frequência de uso. A frequência de uso pode ser baseada, adicionalmente em, pelo menos, um entre tópico, projeto, e novidade de uso. Em uma modalidade, um nível de confiança entre um usuário e um contato particular 20 restringe quais informações de contatos são exibidas para o contato particular. Os contatos podem ser organizados no leque de contatos nos grupos expansíveis. As porções laterais da interface de usuário podem ser, por exemplo, do lado esquerdo e do lado direito da tela do dispositivo. Os 25 leques podem incluir um índice associado com o primeiro grupo de informações de comunicação configuráveis pelo usuário, como um índice alfabético para rapidamente ir para um grupo particular de informações.

O sistema 100 mostra, em uma posição central da 30 interface de usuário, um espaço de trabalho de comunicação,

que inclui uma região de destaque ativo (906). O espaço de trabalho pode mostrar, pelo menos, uma sessão de comunicação atual. A interface pode também incluir controlares e configurações baseados em, pelo menos, uma sessão de comunicação atual. Em um aspecto, o sistema 100, adicionalmente, recebe uma entrada do usuário para alternar de uma sessão de comunicação ativa a partir da primeira sessão de comunicação atual a uma segunda sessão de comunicação, determinar a segunda sessão de comunicação como a sessão de comunicação ativa, e atualizar o espaço de trabalho de comunicação para refletir a sessão de comunicação ativa. Os exemplos específicos são ilustrativos e podem ser implantados de diferentes maneiras, sem se afastar do espírito e escopo da descrição.

As modalidades dentro do escopo do presente relatório descritivo podem também incluir uma mídia de armazenamento legível pelo computador tangível e/ou não-transitória para levar ou ter instruções executáveis pelo computador ou estruturas de dados armazenados no mesmo. Tais mídias de armazenamento não-transitórias legíveis pelo computador podem ser quaisquer mídias disponíveis, que podem ser acessadas por um propósito geral ou computador de propósito especial, incluindo o projeto funcional de qualquer processador de propósito especial, como discutido acima. Por meio de um exemplo, e não limitação, tal mídia legível por computador não transitória pode incluir RAU ROM, EEPROM, CD-ROM ou outro armazenamento de disco ótico, armazenamento de disco magnético ou outro dispositivo magnético de armazenamento, ou qualquer outro meio, que pode ser usado para levar ou armazenar meios de código de

programas na forma de instruções executáveis pelo computador, estruturas de dados, ou projeto de processador de chip. Quando informações são transferidas ou fornecidas por uma rede ou outra conexão comunicação (tanto com fio, como sem-fio, ou combinações dos mesmos) para um computador, o computador visualiza propriamente a conexão como um meio legível pelo computador. Dessa forma, qualquer conexão é propriamente chamada de um meio legível pelo computador. As combinações acima devem também ser inclusas dentro do escopo das mídias legíveis pelo computador.

As instruções executáveis pelo computador incluem, por exemplo, instruções e dados, que causam um computador de propósito geral, um computador de propósito especial, ou dispositivo de processamento de propósito especial para realizar uma determinada função ou um grupo de funções. As Instruções executáveis pelo computador também incluem módulos de programa que são executados por computadores em ambientes autônomos ou de rede. Geralmente, os módulos de programa incluem rotinas, programas, componentes, estruturas de dados, objetos, e as funções inerentes ao projeto de processadores de propósito especial, etc. que desempenham tarefas particulares ou implantam tipos de dados abstratos particulares. As Instruções executáveis pelo computador, associadas às estruturas de dados e módulos de programa representam exemplos dos meios de código de programas para execução de etapas dos métodos descritos na presente invenção. A sequência particular de tais instruções executáveis ou estruturas de dados associados representam exemplos de ações correspondentes para a implantação das funções descritas em tais etapas.

Os indivíduos versados na técnica verificarão que outras modalidades da descrição podem ser praticadas em ambientes de computação em rede, com muitos chips de configurações de sistema de computador, incluindo 5 computadores pessoais, dispositivos portáteis, sistemas de multiprocessador, eletrônicos de consumo programáveis ou baseados em microprocessador, PCs de rede, minicomputadores, computadores de grande porte, e similares. As Modalidades podem também ser praticadas, em 10 ambientes de computação distribuídos, onde as tarefas são desempenhadas por dispositivos de processamento local e remoto que são ligados (tanto por enlaces com fio, quanto por enlaces sem-fio, ou por uma combinação dos mesmos) através de uma rede de comunicações. Em um ambiente de 15 computação distribuído, os módulos de programa podem estar localizados em ambos os dispositivos de armazenamento de memória remota e local.

As várias modalidades descritas acima são fornecidas somente por meio de ilustração e não devem ser 20 interpretadas como limitadoras do escopo da descrição. Os indivíduos versados na técnica reconhecerão prontamente várias modificações e mudanças que podem ser feitas aos princípios descritos na presente invenção, sem seguir as modalidades exemplificativas e aplicações ilustradas e 25 descritas na presente invenção e sem se afastar do espírito e escopo da descrição.

REIVINDICAÇÕES

1. Método para exibir uma interface de usuário para gerenciar sessões de comunicação em um dispositivo de comunicações, **CARACTERIZADO** pelo fato de que o método
5 compreende:

exibir, em uma primeira porção lateral da interface de usuário, um primeiro grupo de informações de comunicação configuráveis pelo usuário;

10 exibir, em uma segunda porção lateral da interface de usuário, um segundo conjunto de informações de comunicação configuráveis pelo usuário; e

exibir, em uma posição central da interface de usuário, um espaço de trabalho de comunicação que compreende uma região de destaque ativo.

15 2. Método, de acordo com a reivindicação 1, **CARACTERIZADO** pelo fato de que o dispositivo de comunicações recebe a entrada do usuário através de um visor sensível ao toque.

3. Método, de acordo com a reivindicação 1,
20 **CARACTERIZADO** pelo fato de que o primeiro grupo de informações de comunicação configuráveis pelo usuário e o segundo conjunto de informações de comunicação configuráveis pelo usuário compreendem, cada um, pelo menos uma dentre informações de contato, informação de
25 cronograma, informação da sessão de comunicação atual, aplicativos, e outros recursos de comunicação de multimídia.

4. Método, de acordo com a reivindicação 3, **CARACTERIZADO** pelo fato de que pelo menos parte das
30 informações de contato é organizada em grupos expansíveis.

5. Método, de acordo com a reivindicação 1, **CARACTERIZADO** pelo fato de que o primeiro grupo de informações de comunicação configuráveis pelo usuário e o segundo conjunto informações de comunicação configuráveis pelo usuário são exibidos como um primeiro leque de itens e um segundo leque de itens.

6. Método, de acordo com a reivindicação 5, **CARACTERIZADO** pelo fato de que compreende, adicionalmente:
receber de um usuário uma entrada de toque direcionada para um dentre o primeiro leque de itens e o segundo leque de itens; e

rolas um dentre o primeiro leque de itens e o segundo leque de itens com base na entrada de toque.

7. Método, de acordo com a reivindicação 1, **CARACTERIZADO** pelo fato de que o espaço de trabalho de comunicação exibe pelo menos uma sessão de comunicação atual.

8. Método, de acordo com a reivindicação 7, **CARACTERIZADO** pelo fato de que compreende, adicionalmente:
receber entrada do usuário para alterar de uma sessão de comunicação ativa de uma primeira sessão de comunicação atual para uma segunda sessão de comunicação;

configurar a segunda sessão de comunicação como a sessão de comunicação ativa; e

atualizar o espaço de trabalho de comunicação para refletir a sessão de comunicação ativa.

9. Dispositivo de comunicações que tem uma interface de usuário baseada em toque, **CARACTERIZADO** pelo fato de que a interface de usuário compreende:

um processador;

um visor sensível ao toque;

um módulo de exibição configurado para produzir em uma primeira porção lateral do visor sensível ao toque um primeiro grupo de informações de comunicação configuráveis pelo usuário, para produzir em uma segunda porção lateral do visor sensível ao toque um segundo conjunto de informações de comunicação configuráveis pelo usuário, para produzir em uma posição central do visor sensível ao toque um espaço de trabalho de comunicação; e

10 um módulo de entrada do usuário configurado para receber entrada do usuário através do visor sensível ao toque;

um módulo de interação configurado para atualizar o visor sensível ao toque com base na entrada do usuário.

15 10. Meio de armazenamento legível por computador não transitório **CARACTERIZADO** pelo fato de que armazena instruções que, quando executadas por um dispositivo de computação, leva o dispositivo de computação a exibir uma interface para gerenciar sessões de comunicação, em que as
20 instruções compreendem:

exibir, em uma primeira porção lateral da interface de usuário, um primeiro grupo de informações de comunicação configuráveis pelo usuário;

25 exibir, em uma segunda porção lateral da interface de usuário, um segundo conjunto de informações de comunicação configuráveis pelo usuário; e

exibir, em uma posição central da interface de usuário, um espaço de trabalho de comunicação.

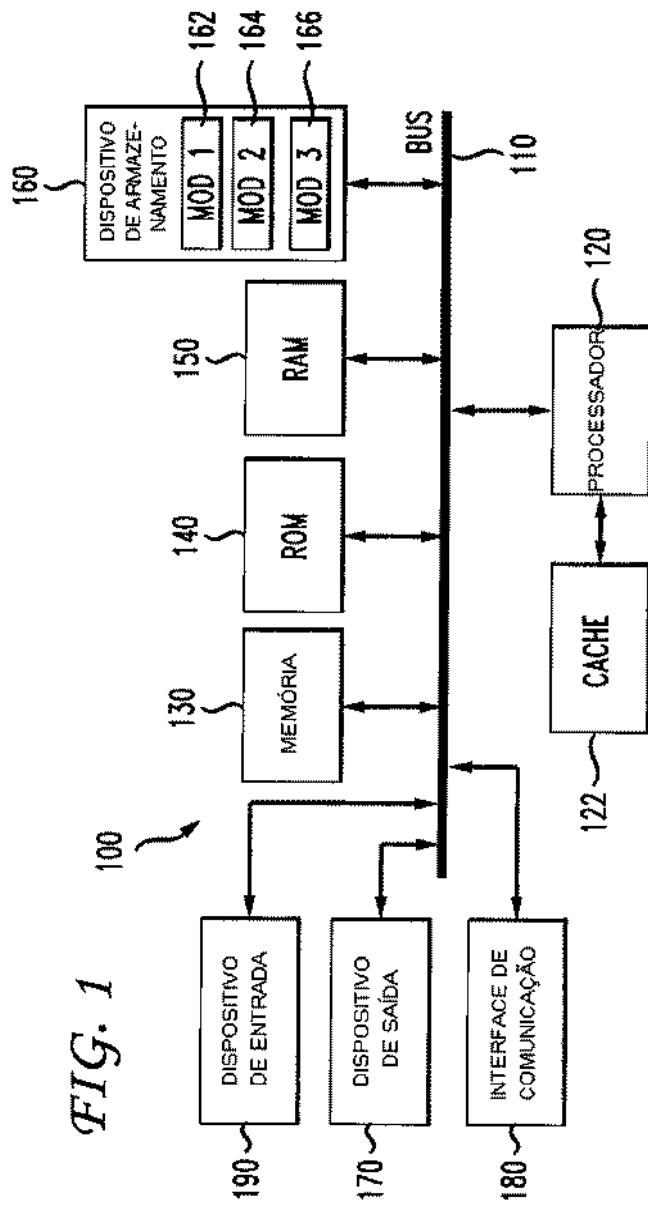


FIG. 1

FIG. 2

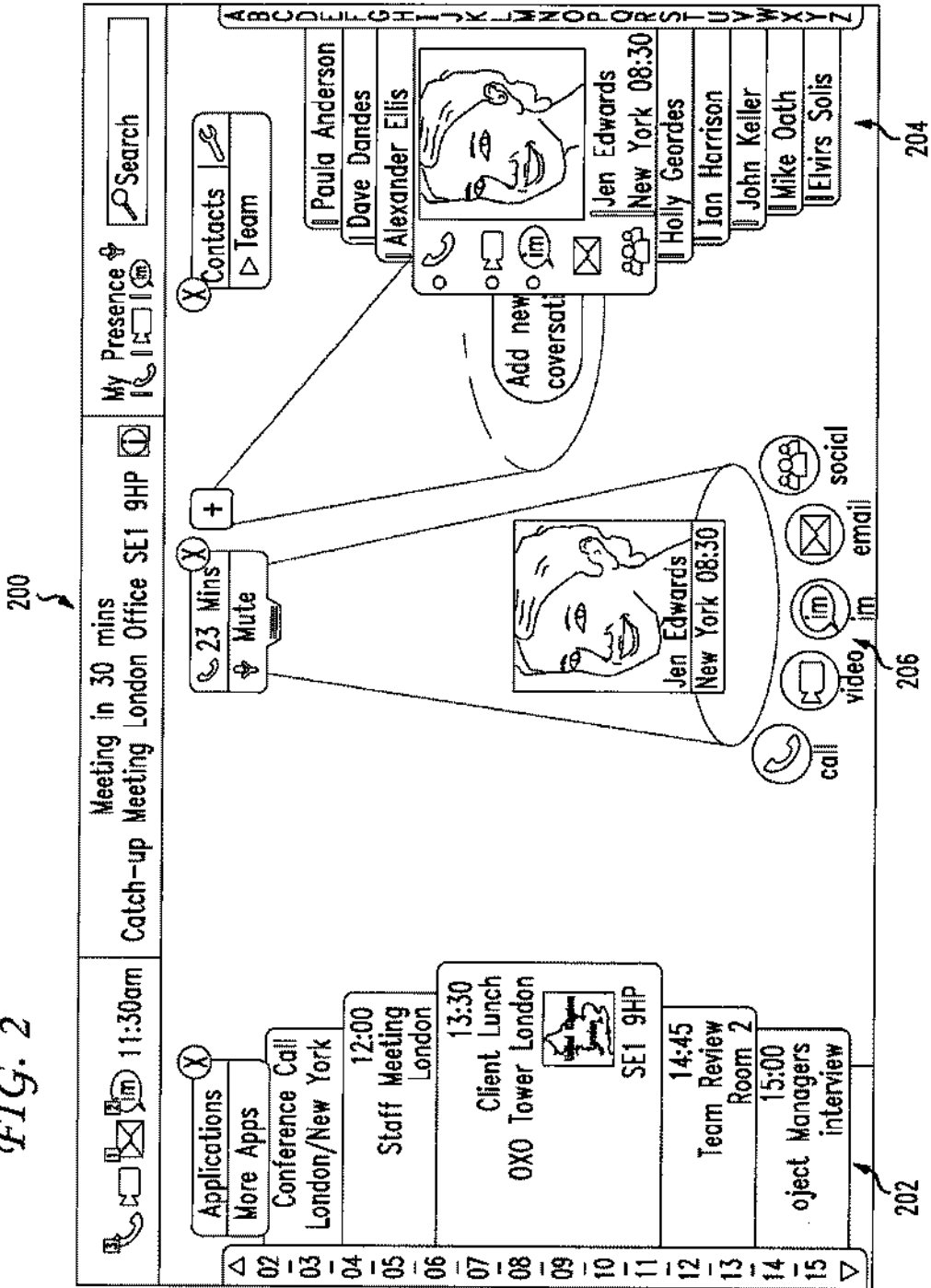


FIG. 3

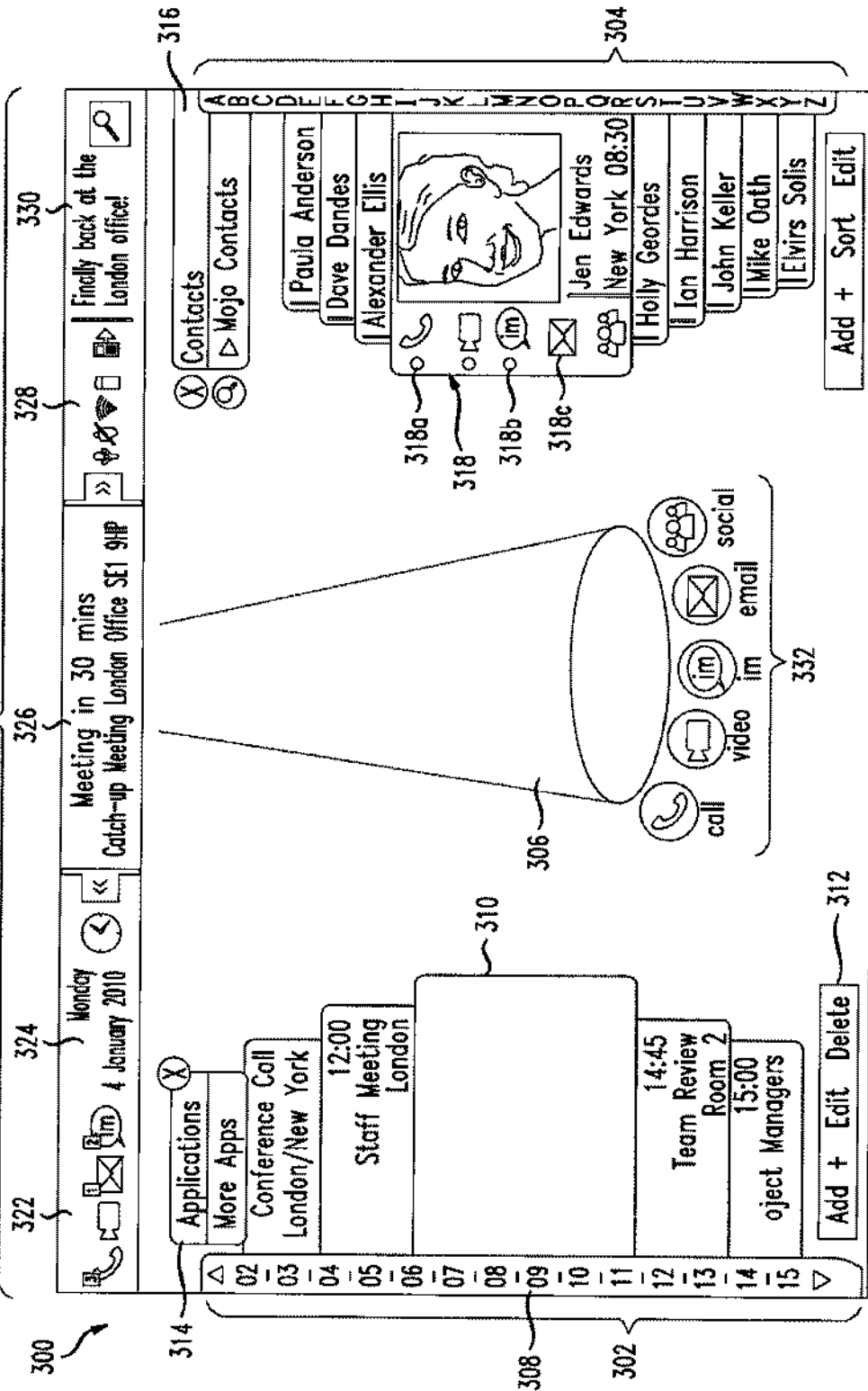


FIG. 4

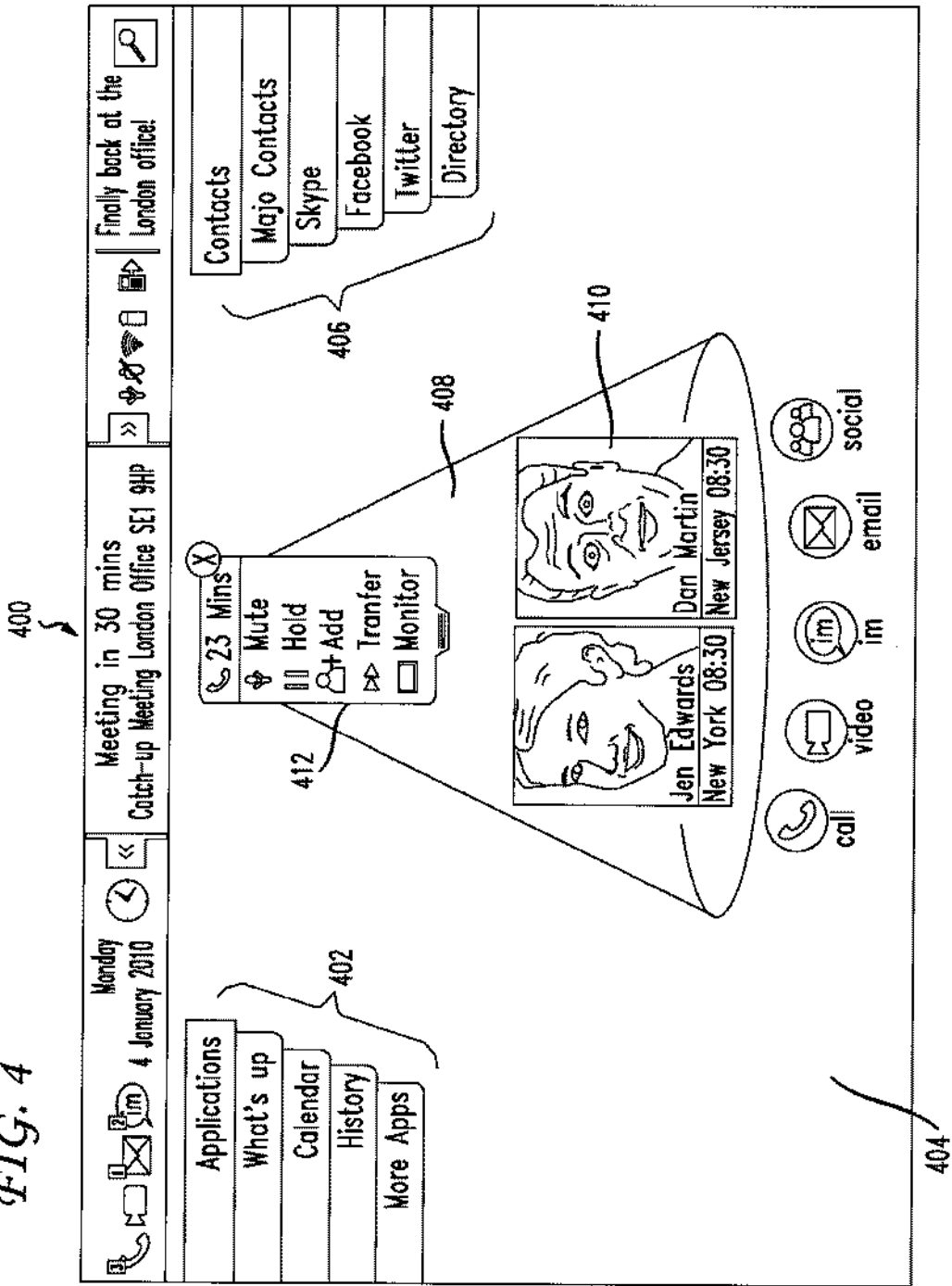


FIG. 5

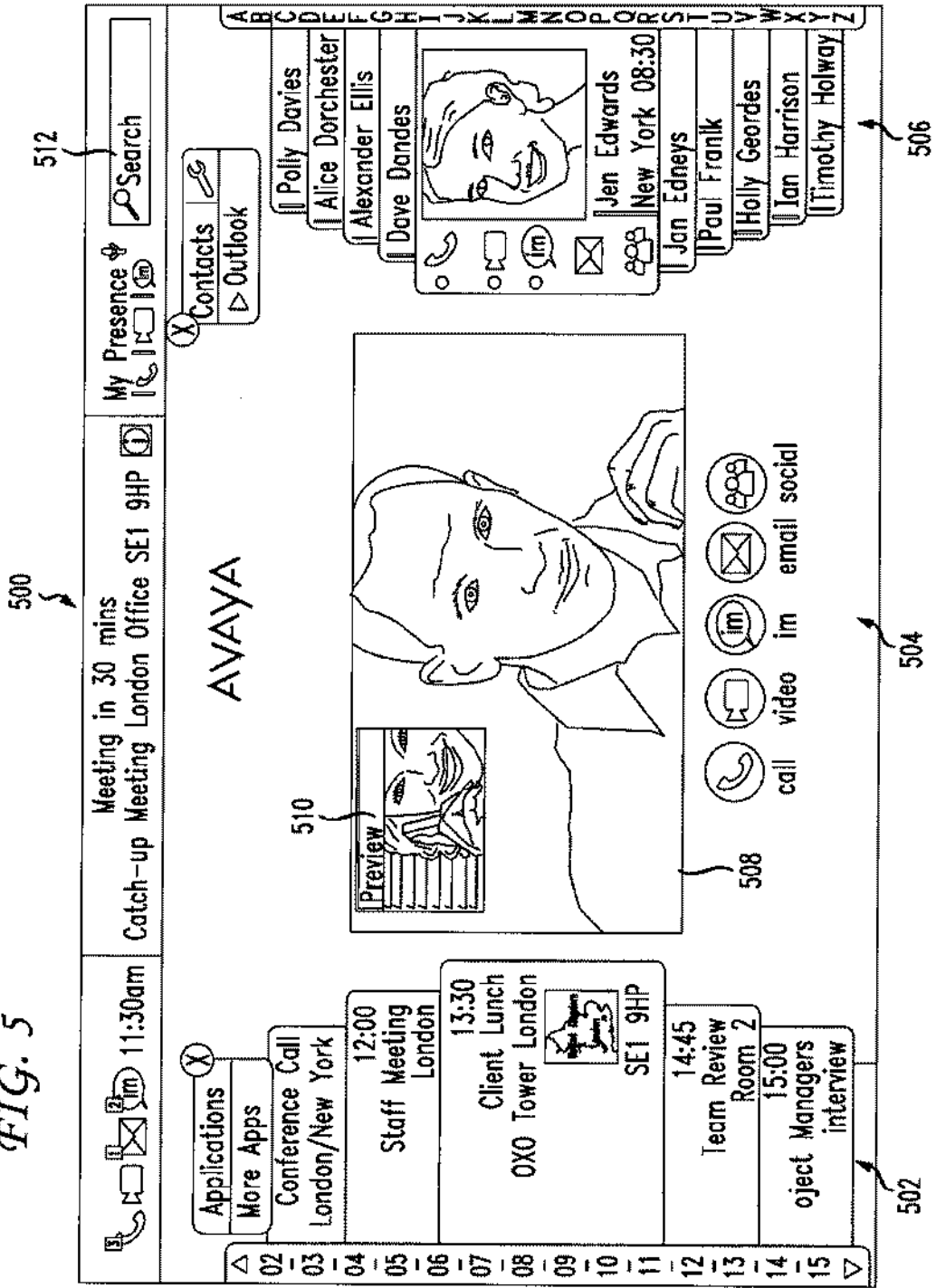


FIG. 6

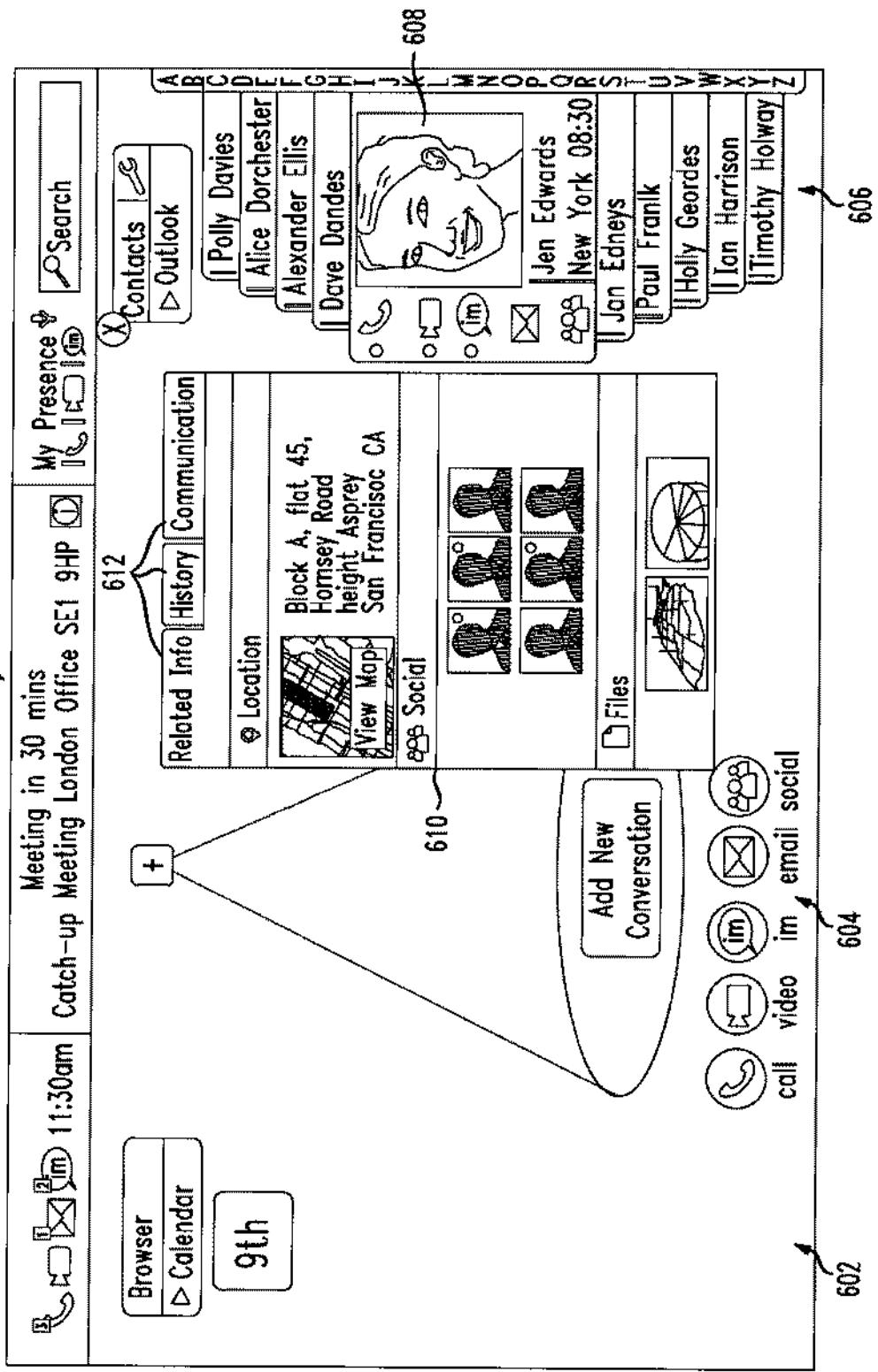


FIG. 7

Meeting in 30 mins

Catch-up Meeting London Office SE1 9HP

My Presence

Search

Contacts

Outlook

<p>708</p> <p>Catch-up Meeting</p> <p>Where: Mon 23 Nov 12:00 - 13:00</p> <p>When: London/New York</p> <p>Description:</p> <p>Catch-up Meeting with team regarding new collaboration starting next week. Marketing managers presenting to the board, latest campaigns.</p> <p>Participants: (14) <input type="button" value="add+"/> Attachments: (3) <input type="button" value="add+"/></p> <p><input checked="" type="checkbox"/> Roger Hall <input type="checkbox"/> demo.pdf</p> <p><input checked="" type="checkbox"/> lucyryeid@gmail.com <input type="checkbox"/> presentation.ppt</p> <p><input checked="" type="checkbox"/> tanysmith@yahoo.com <input type="checkbox"/> form1.pdf</p> <p>Call: +44 020 345 773</p> <p>Pin: 401 188#</p>	<p>710</p> <p>Performance Reviews</p> <p>Where: Mon 23 Nov 12:00 - 12:30</p> <p>When: London</p> <p>Description:</p> <p>Create employees performance review organized around the typical performance review form and concepts. Choose from six review forms that have been designed, based on text and observations.</p> <p>Participants: (2) <input type="button" value="add+"/></p> <p><input checked="" type="checkbox"/> Chloe Templeman <input type="checkbox"/> demo.pdf</p> <p><input checked="" type="checkbox"/> lucy ryden <input type="checkbox"/> presentation.ppt</p> <p><input checked="" type="checkbox"/> p.harris@yahoo.com</p> <p>Call: +44 020 345 344</p> <p>Pin: 591 123#</p>
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702

object Managers interview

704

call video im email social

FIG. 8

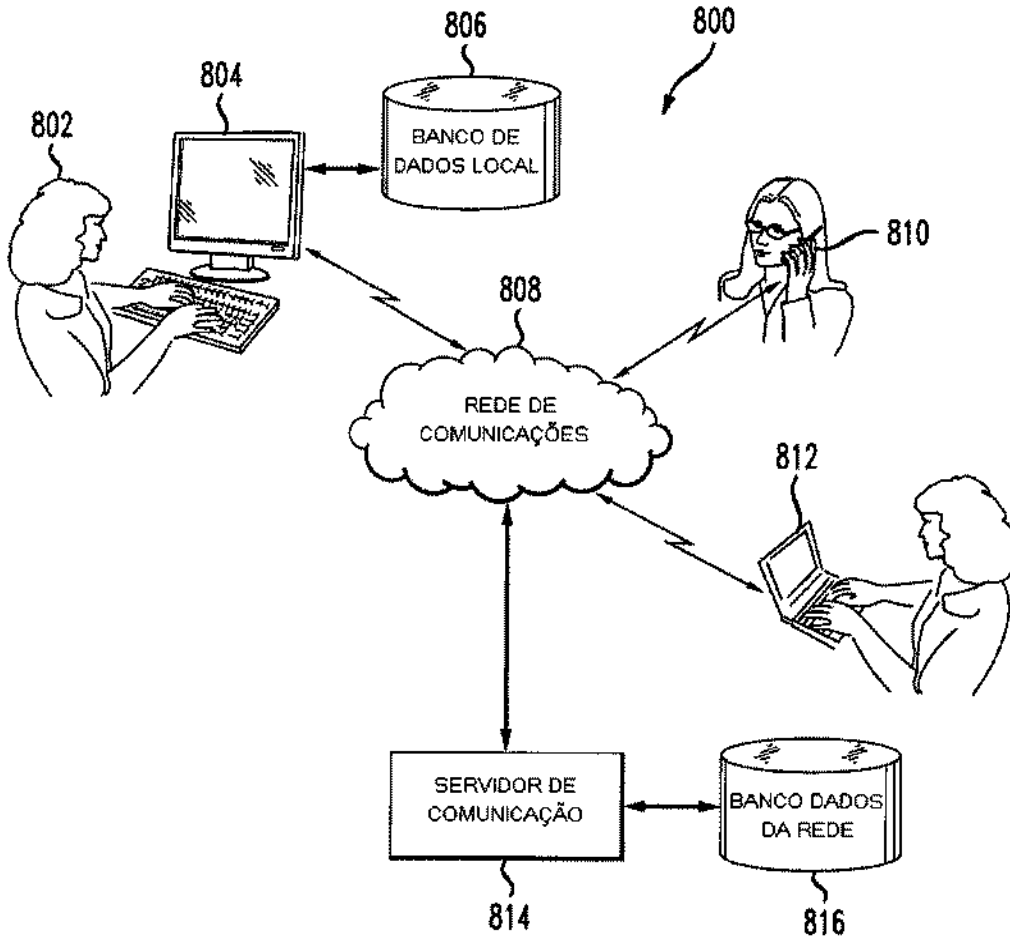
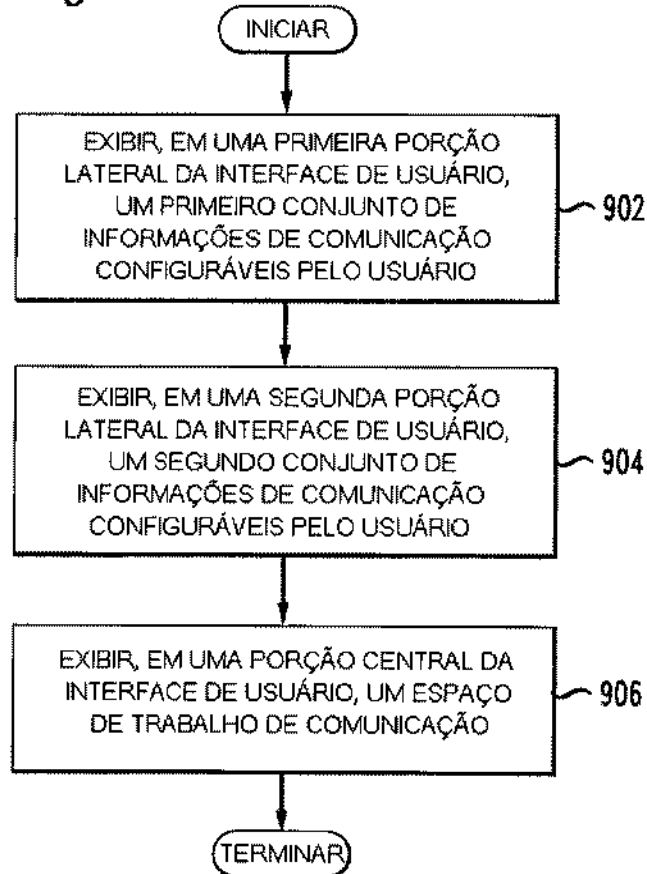


FIG. 9



RESUMO**INTERFACE DE USUÁRIO PARA GERENCIAR SESSÕES DE COMUNICAÇÃO**

São apresentados aqui sistemas, métodos, e mídia de armazenamento legíveis pelo computador não-transitórios para exibir uma interface de usuário para gerenciar sessões de comunicação em um dispositivo de comunicação. Um sistema configurado para a prática do método exibe, em uma primeira porção lateral da interface de usuário, um primeiro grupo de informações e comunicação configuráveis pelo usuário. O sistema exibe, em uma segunda porção lateral da interface de usuário, um segundo conjunto de informações de comunicação configuráveis pelo usuário. O sistema exibe, em uma posição central da interface de usuário, um espaço de trabalho de comunicação para gerenciar sessões de comunicação. Em uma modalidade, incluindo um visor sensível ao toque, essa interface é usada com um dispositivo de mesa digitalizadora de modo que uma posição natural dos polegares do usuário esteja em uma posição ótima para interagir eficientemente com a interface de usuário. As porções laterais podem ser configuráveis pelo usuário para exibirem, por exemplo, contatos, eventos organizados no calendário, tarefas, memorandos, e assim por diante.



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
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/978,884	12/27/2010	DAVID G. BOYER	510114-US-NP(CSM)	2028
95158	7590	11/19/2013	EXAMINER	
Novak Druce Connolly Bove+ Quigg LLP - Avaya Inc. 2810 Laurian Lane Suite 200 Dunkirk, MD 20754			PITARO, RYAN F	
			ART UNIT	PAPER NUMBER
			2171	
			NOTIFICATION DATE	DELIVERY MODE
			11/19/2013	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):

quy.le@novakdruce.com
lindsey.patten@novakdruce.com
pair_avaya@firsttofile.com

Advisory Action Before the Filing of an Appeal Brief	Application No. 12/978,884	Applicant(s) BOYER ET AL.	
	Examiner RYAN PITARO	Art Unit 2171	AIA (First Inventor to File) Status No

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

THE REPLY FILED 31 October 2013 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

NO NOTICE OF APPEAL FILED

1. The reply was filed after a final rejection. No Notice of Appeal has been filed. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114 if this is a utility or plant application. Note that RCEs are not permitted in design applications. The reply must be filed within one of the following time periods:

- a) The period for reply expires _____ months from the mailing date of the final rejection.
- b) The period for reply expires on: (1) the mailing date of this Advisory Action; or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.
- c) A prior Advisory Action was mailed more than 3 months after the mailing date of the final rejection in response to a first after-final reply filed within 2 months of the mailing date of the final rejection. The current period for reply expires _____ months from the mailing date of the prior Advisory Action or SIX MONTHS from the mailing date of the final rejection, whichever is earlier.

Examiner Note: If box 1 is checked, check either box (a), (b) or (c). ONLY CHECK BOX (b) WHEN THIS ADVISORY ACTION IS THE FIRST RESPONSE TO APPLICANT'S FIRST AFTER-FINAL REPLY WHICH WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. ONLY CHECK BOX (c) IN THE LIMITED SITUATION SET FORTH UNDER BOX (c). See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) or (c) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

2. The Notice of Appeal was filed on _____. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

AMENDMENTS

3. The proposed amendments filed after a final rejection, but prior to the date of filing a brief, will not be entered because
- a) They raise new issues that would require further consideration and/or search (see NOTE below);
 - b) They raise the issue of new matter (see NOTE below);
 - c) They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
 - d) They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: See Continuation Sheet. (See 37 CFR 1.116 and 41.33(a)).

- 4. The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).
- 5. Applicant's reply has overcome the following rejection(s): _____.
- 6. Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
- 7. For purposes of appeal, the proposed amendment(s): (a) will not be entered, or (b) will be entered, and an explanation of how the new or amended claims would be rejected is provided below or appended.

AFFIDAVIT OR OTHER EVIDENCE

- 8. A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
- 9. The affidavit or other evidence filed after final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).
- 10. The affidavit or other evidence filed after the date of filing the Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).
- 11. The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

- 12. The request for reconsideration has been considered but does NOT place the application in condition for allowance because: _____.
- 13. Note the attached Information *Disclosure Statement(s)*. (PTO/SB/08) Paper No(s). _____
- 14. Other: _____.

STATUS OF CLAIMS

15. The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: .
Claim(s) objected to: .
Claim(s) rejected: .
Claim(s) withdrawn from consideration: .

/Ryan F Pitaro/
Primary Examiner, Art Unit 2171

Continuation of 3. NOTE:

Further, the Examiner notes that the new features require further search and/or consideration beyond the terms of AFCP 2.0. The claims now recite the newly claimed feature must be considered and require a new Prior Art search before a determination of allowability, etc. may be made.

Applicants representative is, as always, welcome to contact the Examiner and discuss the substance of the case upon maintenance/satisfaction of pendency requirements for the case..

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: : Confirmation No.: 2028
: :
David G. BOYER : Attorney Ref.: 510114-US-NP(RB)
: :
Serial No.: 12/978,884 : Art Unit: 2171
: :
Filed: December 27, 2010 : Examiner: Ryan F Pitaro
: :
FOR: A USER INTERFACE FOR MANAGING COMMUNICATION SESSIONS

AMENDMENT

**MAIL STOP: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

Dear Sir:

Responsive to the final Office Action dated September 24, 2013, kindly enter the following amendment and remarks.

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

Remarks begin on page 8 of this paper.

DO NOT ENTER: /R.P./

11/13/2013



NOTICE OF ALLOWANCE AND FEE(S) DUE

95158 7590 06/18/2015
Novak Druce Connolly Bove+ Quigg LLP - Avaya Inc.
2810 Laurian Lane
Suite 200
Dunkirk, MD 20754

Table with 2 columns: EXAMINER (PITARO, RYAN F), ART UNIT (2171), PAPER NUMBER (2028)

DATE MAILED: 06/18/2015

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.

12/978,884 12/27/2010 DAVID G. BOYER 510114-US-NP(CSM) 2028

TITLE OF INVENTION: USER INTERFACE FOR MANAGING COMMUNICATION SESSIONS

Table with 7 columns: APPLN. TYPE, ENTITY STATUS, ISSUE FEE DUE, PUBLICATION FEE DUE, PREV. PAID ISSUE FEE, TOTAL FEE(S) DUE, DATE DUE

nonprovisional UNDISCOUNTED \$960 \$0 \$0 \$960 09/18/2015

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

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

HOW TO REPLY TO THIS NOTICE:

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

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

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

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

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

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

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 or Fax (571)-273-2885**

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

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

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

95158 7590 06/18/2015
Novak Druce Connolly Bove+ Quigg LLP - Avaya Inc.
 2810 Laurian Lane
 Suite 200
 Dunkirk, MD 20754

Certificate of Mailing or Transmission

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

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/978,884	12/27/2010	DAVID G. BOYER	510114-US-NP(CSM)	2028

TITLE OF INVENTION: USER INTERFACE FOR MANAGING COMMUNICATION SESSIONS

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	09/18/2015

EXAMINER	ART UNIT	CLASS-SUBCLASS
PITARO, RYAN F	2171	715-736000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). <input type="checkbox"/> Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. <input type="checkbox"/> "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.	2. For printing on the patent front page, list (1) The names of up to 3 registered patent attorneys or agents OR, alternatively, _____ 1 (2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. _____ 2 _____ 3
--	--

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

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

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

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

4a. The following fee(s) are submitted: <input type="checkbox"/> Issue Fee <input type="checkbox"/> Publication Fee (No small entity discount permitted) <input type="checkbox"/> Advance Order - # of Copies _____	4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) <input type="checkbox"/> A check is enclosed. <input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached. <input type="checkbox"/> The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).
--	---

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

Applicant certifying micro entity status. See 37 CFR 1.29

Applicant asserting small entity status. See 37 CFR 1.27

Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

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

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____



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Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
12/978,884 12/27/2010 DAVID G. BOYER 510114-US-NP(CSM) 2028

95158 7590 06/18/2015
Novak Druce Connolly Bove+ Quigg LLP - Avaya Inc.
2810 Laurian Lane
Suite 200
Dunkirk, MD 20754

EXAMINER

PITARO, RYAN F

ART UNIT PAPER NUMBER

2171

DATE MAILED: 06/18/2015

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

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

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

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

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

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

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

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

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

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

Notice of Allowability	Application No. 12/978,884	Applicant(s) BOYER ET AL.	
	Examiner RYAN PITARO	Art Unit 2171	AIA (First Inventor to File) Status No

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

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to 4/15/2015.
 A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
2. An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. The allowed claim(s) is/are 1-20. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/oph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) All b) Some *c) None of the:
1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ 3. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material 4. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Examiner's Amendment/Comment 6. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 7. <input type="checkbox"/> Other _____. |
|---|--|

/RYAN PITARO/
Primary Examiner, Art Unit 2171

Art Unit: 2171

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

Allowable Subject Matter

Claims 1-20 are allowed.

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

The prior art is silent in teaching displaying, on a side portion of a user interface for a first user, a fan comprising a plurality of graphical user interface elements that are scrollable by the first user, wherein an active graphical user interface element of the plurality of graphical user interface elements displays communication information associated with a second user different from the first user, and wherein inactive graphical user interface elements of the plurality of graphical user interface elements display truncated communication information; and displaying, on the user interface, an active spotlight region that depicts, by using a visual metaphor that resembles a spotlight, an active communication session that the first user is currently participating in, the active spotlight region featuring graphical elements representing participants associated with the active communication session.

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

Art Unit: 2171

Any inquiry concerning this communication or earlier communications from the examiner should be directed to RYAN PITARO whose telephone number is (571)272-4071. The examiner can normally be reached on 9:00am - 5:30pm Mondays through Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matt Kim can be reached on 571-272-4182. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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

/RYAN PITARO/
Primary Examiner, Art Unit 2171

Notice of References Cited	Application/Control No. 12/978,884	Applicant(s)/Patent Under Reexamination BOYER ET AL.	
	Examiner RYAN PITARO	Art Unit 2171	Page 1 of 1

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A US-2007/0234220 A1	10-2007	Khan et al.	715/745
*	B US-2011/0258550 A1	10-2011	Dinh-Trong et al.	715/736
*	C US-2014/0189005 A1	07-2014	Dinh-Trong et al.	709/204
	D US-			
	E US-			
	F US-			
	G US-			
	H US-			
	I US-			
	J US-			
	K US-			
	L US-			
	M US-			


FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	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. 12978884	Applicant(s)/Patent Under Reexamination BOYER ET AL.
	Examiner RYAN PITARO	Art Unit 2171

CPC- SEARCHED		
Symbol	Date	Examiner
G06F 3/0488	6/15/2015	RFP

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner

SEARCH NOTES		
Search Notes	Date	Examiner
EAST	3/8/2013	RFP
Inventor Name Search	3/8/2013	RFP
Internet	3/8/2013	RFP
IEEE	3/8/2013	RFP
Update Search	9/18/2013	RFP
Update Search	1/12/2015	RFP
Update Search	6/15/2015	RFP

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
PG	PUB	6/15/2015	RFP

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BIB DATA SHEET
CONFIRMATION NO. 2028

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.	
12/978,884	12/27/2010	715	2171	510114-US-NP(CSM)	
APPLICANTS INVENTORS DAVID G. BOYER, OCEANPORT, NJ; NARUNAS BUKAUSKAS, BROOKLYN, NY; TOM COOMBS, LONDON, UNITED KINGDOM; TRUNG DINH-TRONG, BEDMINSTER, NJ; BIRGIT GEPPERT, BASKING RIDGE, NJ; THOMAS KLEIST, REDBOURN, UNITED KINGDOM; FRANK ROESSLER, BAKING RIDGE, NJ;					
** CONTINUING DATA ***** This appln claims benefit of 61/348,550 05/26/2010					
** FOREIGN APPLICATIONS *****					
** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** 01/07/2011					
Foreign Priority claimed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 35 USC 119(a-d) conditions met <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Verified and Acknowledged <u>/RYAN F PITARO/</u> Examiner's Signature	<input type="checkbox"/> Met after Allowance Initials _____	STATE OR COUNTRY NJ	SHEETS DRAWINGS 9	TOTAL CLAIMS 20	INDEPENDENT CLAIMS 3
ADDRESS Novak Druce Connolly Bove+ Quigg LLP - Avaya Inc. 2810 Laurian Lane Suite 200 Dunkirk, MD 20754 UNITED STATES					
TITLE USER INTERFACE FOR MANAGING COMMUNICATION SESSIONS					
FILING FEE RECEIVED 1090	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit		

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"6664983".pn.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 10:17
L2	1	spotlight with active with session	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 10:17
L3	177650	spotlight sam active with session	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 10:19
L4	1	spotlight same active with session	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 10:19
L5	20	spotlight same (communication active) with session	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 10:19
L6	2	"20110258550"	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 10:20
L7	118	spotlight with (region area) same (communication active IM session)	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 10:42
L8	6	spotlight with (region area) same (communication active IM session) and "715"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 10:45
L9	7	("20080303187" "5627978" "7616751").PN.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2015/06/15 11:40
L10	171	calendar with (buddy contact) with side	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2015/06/15 11:40

L11	8	calendar with (buddy contact) with side and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2015/06/15 11:40
L12	22	side near bar with (buddy contact) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2015/06/15 11:40
L13	106735	side near bar both and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2015/06/15 11:40
L14	8	side near bar near4 both and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2015/06/15 11:40
L15	134	side with application near4 both and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2015/06/15 11:40
L16	2	"20050278647"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2015/06/15 11:40
L17	9	(tool near bar) with edge with both	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2015/06/15 11:40
L18	482	(tool near bar) with edge	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2015/06/15 11:40
L19	8	dual with side\$bar	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2015/06/15 11:40
L20	71	drag with side\$bar and contact	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2015/06/15 11:40
L21	6	"2004027559"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2015/06/15 11:40
L22	94	("5627978" "20050182745" "20060235716" "5768552" "7167182" "20080309617" "D052937" "20070208806" "5892764" "20030206619"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2015/06/15 11:40

		"20100162153" "20100167710" "20120077536" "20090204904" "20100223089" "5533110" "7124164" "5940488" "20080167056" "20090059818" "6191807" "6751669" "D529920" "20100011304" "20090089683" "20090138554" "20090248709" "20110022968" "D528553" "D603866" "20080253476" "20030133562" "20070053308" "20080146156" "20090241031" "8082302" "20080115087" "D529036" "20040028199" "20040258222" "20050151836" "20080117264" "20090006980" "D591304" "7478129" "20080075247" "6445682" "20070282621" "7949952").PN.				
L23	263	("5533110").URPN.	USPAT	OR	ON	2015/06/15 11:40
L24	3636	(communication conference) with visual with (interface)	USPAT	OR	ON	2015/06/15 11:40
L25	436	(communication conference) with visual with (interface) and "715"/\$.ccls.	USPAT	OR	ON	2015/06/15 11:40
L26	1041	(communication conference) with visual with (interface) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2015/06/15 11:40
L27	1081	(communication conference) with visual with (interface UI GUI) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2015/06/15 11:40
L28	49	(communication conference) with visual with (interface UI GUI) and side\$bar and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2015/06/15 11:40
L29	587	(communication conference) with (interface UI GUI) and side\$bar and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2015/06/15 11:40
L30	80	(communication conference) with side\$bar and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2015/06/15 11:40
L31	500	slide near out and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2015/06/15 11:40
L32	2	(pop slide) near out with menu with edge and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2015/06/15 11:40
L33	3	(pop slide) near out with (drawer menu) with edge and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2015/06/15 11:40
L34	112	(pop slide) with (drawer menu) with edge and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2015/06/15 11:40
L35	72	(open slide) with (drawer menu) with edge and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2015/06/15 11:40
L36	18	("5305435" "5657049" "5745096" "5874958" "5897670" "5963208" "6078327" "6081265" "6128012"	US-PGPUB; USPAT; USOCR	OR	ON	2015/06/15 11:40

		"6133898" "6133916" "6133918" "6175364" "6252597" "6307574" "6351776" "6356284" "6664983").PN.				
L37	729	spotlight with region	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2015/06/15 11:40
L38	16	spotlight with region and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2015/06/15 11:40
L39	22	spotlight with (zone region) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2015/06/15 11:40
L40	916	(activation spotlight) with (zone region) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2015/06/15 11:40
L41	25	(activation spotlight) with (zone region) with (communication call conference) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2015/06/15 11:40
L42	85	fan with menu and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2015/06/15 11:40
L43	42	side\$bar with index	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2015/06/15 11:40
L44	5521	index with touch	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2015/06/15 11:40
L45	519	index with touch and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2015/06/15 11:40
L46	0	"200800886699"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2015/06/15 11:40
L47	2	"20080086699"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2015/06/15 11:40
L48	75	index with touch with contact and	US-PGPUB;	OR	ON	2015/06/15

		"715"/\$.ccls.	USPAT; EPO; DERWENT; IBM_TDB			11:40
L49	1229	rolodex	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 11:40
L50	250	rolodex and "715"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 11:40
L51	3	"20090313553"	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 11:40
L52	6	"20050071481"	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 11:40
L53	5	"20070003223"	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 11:40
L54	0	((fan fanned) near out) with menu with (side edge) and "715"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 11:40
L55	0	((fan fanned) near4 out) with menu with (side edge) and "715"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 11:40
L56	3	((fan fanned)) with menu with (side edge) and "715"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 11:40
L57	3	((fan fanned)rolodex) with menu with (side edge) and "715"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 11:40
L58	91	((fan fanned) rolodex) with menu and "715"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 11:40
L59	4	"20060095865"	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 11:40
L60	12748107	cover flow	US-PGPUB;	OR	ON	2015/06/15

			USPAT; FPRS; EPO; DERWENT			11:40
L61	7329	(cover near flow (coverflow))	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 11:40
L62	152	(cover near flow (coverflow)) and "715"/\$.cls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 11:40
L63	2	"6421071".pn.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 11:40
L64	2	"20080256468"	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 11:40
L65	2	"6664983".pn.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 11:40
L66	4	"5533110".pn.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 11:40
L67	5	"20070094597"	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 11:40
L68	3	"8418067".pn.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 11:40
L69	25164	G06F3/0488.cpc.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/06/15 11:41
S1	6	("20080303187" "5627978" "7616751").PN.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:47
S2	125	calendar with (buddy contact) with side	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:49
S3	8	calendar with (buddy contact) with	US-PGPUB;	OR	ON	2013/03/10

		side and "715"/\$.ccls.	USPAT; EPO; DERWENT; IBM_TDB			12:49
S4	14	side near bar with (buddy contact) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:52
S5	83609	side near bar both and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:54
S6	6	side near bar near4 both and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:55
S7	97	side with application near4 both and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:56
S8	2	"20050278647"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:13
S9	9	(tool near bar) with edge with both	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:17
S10	359	(tool near bar) with edge	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:18
S11	7	dual with side\$bar	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:18
S12	45	drag with side\$bar and contact	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:19
S13	5	"2004027559"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:23
S14	91	("5627978" "20050182745" "20060235716" "5768552" "7167182" "20080309617" "D052937" "20070208806" "5892764" "20030206619" "20100162153" "20100167710"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:30

		"20120077536" "20090204904" "20100223089" "5533110" "7124164" "5940488" "20080167056" "20090059818" "6191807" "6751669" "D529920" "20100011304" "20090089683" "20090138554" "20090248709" "20110022968" "D528553" "D603866" "20080253476" "20030133562" "20070053308" "20080146156" "20090241031" "8082302" "20080115087" "D529036" "20040028199" "20040258222" "20050151836" "20080117264" "20090006980" "D591304" "7478129" "20080075247" "6445682" "20070282621" "7949952").PN.				
S15	186	("5533110").URPN.	USPAT	OR	ON	2013/03/10 13:44
S16	2090	(communication conference) with visual with (interface)	USPAT	OR	ON	2013/03/10 15:16
S17	253	(communication conference) with visual with (interface) and "715"/\$.ccls.	USPAT	OR	ON	2013/03/10 15:17
S18	672	(communication conference) with visual with (interface) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:18
S19	694	(communication conference) with visual with (interface UI GUI) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:18
S20	32	(communication conference) with visual with (interface UI GUI) and side\$bar and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:18
S21	363	(communication conference) with (interface UI GUI) and side\$bar and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:37
S22	57	(communication conference) with side\$bar and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:48
S23	311	slide near out and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:59
S24	1	(pop slide) near out with menu with edge and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:59
S25	2	(pop slide) near out with (drawer menu) with edge and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 16:00
S26	97	(pop slide) with (drawer menu) with edge and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 16:01
S27	56	(open slide) with (drawer menu) with edge and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 16:01
S28	18	("5305435" "5657049" "5745096" "5874958" "5897670" "5963208" "6078327" "6081265" "6128012" "6133898" "6133916" "6133918"	US-PGPUB; USPAT; USOCR	OR	ON	2013/03/10 16:08

		"6175364" "6252597" "6307574" "6351776" "6356284" "6664983").PN.				
S29	597	spotlight with region	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 21:37
S30	12	spotlight with region and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 21:37
S31	14	spotlight with (zone region) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 21:43
S32	594	(activation spotlight) with (zone region) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 21:45
S33	13	(activation spotlight) with (zone region) with (communication call conference) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 21:45
S34	49	fan with menu and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 21:47
S35	22	side\$bar with index	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 22:17
S36	3477	index with touch	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 22:21
S37	260	index with touch and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 22:21
S38	0	"200800886699"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 22:25
S39	2	"20080086699"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 22:26
S40	40	index with touch with contact and "715"/\$.ccls.	US-PGPUB; USPAT;	OR	ON	2013/03/10 22:28

			EPO; DERWENT; IBM_TDB			
S41	1038	rolodex	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:32
S42	215	rolodex and "715"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:32
S43	3	"20090313553"	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:46
S44	3	"20050071481"	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:47
S45	2	"20070003223"	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:47
S46	0	((fan fanned) near out) with menu with (side edge) and "715"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:48
S47	0	((fan fanned) near4 out) with menu with (side edge) and "715"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:49
S48	1	((fan fanned)) with menu with (side edge) and "715"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:49
S49	1	((fan fanned)rolodex) with menu with (side edge) and "715"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:49
S50	67	((fan fanned) rolodex) with menu and "715"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:49
S51	2	"20060095865"	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 17:39
S52	12089988	cover flow	US-PGPUB; USPAT;	OR	ON	2015/01/11 19:51


			FPRS; EPO; DERWENT			
S53	6862	(cover near flow (coverflow))	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/01/11 19:51
S54	144	(cover near flow (coverflow)) and "715"/\$.cls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/01/11 19:51
S55	2	"6421071".pn.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/01/11 19:55
S56	2	"20080256468"	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/01/11 19:55
S57	2	"6664983".pn.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/01/11 22:20
S58	4	"5533110".pn.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/01/11 22:24
S59	5	"20070094597"	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/01/11 22:24
S60	3	"8418067".pn.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/01/11 22:25

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L70	0	spotlight with participant with active with fan with truncat\$6.cdm.	US-PGPUB; USPAT; UPAD	OR	ON	2015/06/15 11:44
L71	0	spotlight with participant with active with fan.cdm.	US-PGPUB; USPAT; UPAD	OR	ON	2015/06/15 11:45
L72	0	spotlight with participant with active with communication.cdm.	US-PGPUB; USPAT; UPAD	OR	ON	2015/06/15 11:45
L73	0	spotlight with participant with active with session.cdm.	US-PGPUB; USPAT; UPAD	OR	ON	2015/06/15 11:45

6/ 15/ 2015 11:45:32 AM


C:\Users\rpitara\Documents\EAST\Workspaces\12978884.wsp

Issue Classification 	Application/Control No. 12978884	Applicant(s)/Patent Under Reexamination BOYER ET AL.
	Examiner RYAN PITARO	Art Unit 2171

CPC							
Symbol						Type	Version
G06F		3			0488	F	2013-01-01


CPC Combination Sets						
Symbol			Type	Set	Ranking	Version

NONE		Total Claims Allowed:	
(Assistant Examiner)		20	
(Date)			
/RYAN PITARO/ Primary Examiner. Art Unit 2171	06/15/2015	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	2

Issue Classification 	Application/Control No. 12978884	Applicant(s)/Patent Under Reexamination BOYER ET AL.
	Examiner RYAN PITARO	Art Unit 2171

US ORIGINAL CLASSIFICATION						INTERNATIONAL CLASSIFICATION														
CLASS			SUBCLASS			CLAIMED					NON-CLAIMED									
						G	0	6	F	3 / 048 (2013.01.01)										
CROSS REFERENCE(S)																				
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)																			

NONE		Total Claims Allowed:	
		20	
(Assistant Examiner)	(Date)	O.G. Print Claim(s)	O.G. Print Figure
/RYAN PITARO/ Primary Examiner. Art Unit 2171	06/15/2015	1	2
(Primary Examiner)	(Date)		

Issue Classification 	Application/Control No. 12978884	Applicant(s)/Patent Under Reexamination BOYER ET AL.
	Examiner RYAN PITARO	Art Unit 2171

<input checked="" type="checkbox"/> Claims renumbered in the same order as presented by applicant <input type="checkbox"/> CPA <input type="checkbox"/> T.D. <input type="checkbox"/> R.1.47															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original

NONE		Total Claims Allowed:	
		20	
(Assistant Examiner)	(Date)	O.G. Print Claim(s)	O.G. Print Figure
/RYAN PITARO/ Primary Examiner. Art Unit 2171	06/15/2015	1	2
(Primary Examiner)	(Date)		



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/978,884	12/27/2010	DAVID G. BOYER	510114-US-NP(RB)	2028
95158	7590	03/15/2013	EXAMINER	
Novak Druce Connolly Bove+ Quigg LLP - Avaya Inc. 2810 Laurian Lane Suite 200 Dunkirk, MD 20754			PITARO, RYAN F	
			ART UNIT	PAPER NUMBER
			2171	
			NOTIFICATION DATE	DELIVERY MODE
			03/15/2013	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):

quy.le@novakdruce.com
lindsey.patten@novakdruce.com

Office Action Summary	Application No. 12/978,884	Applicant(s) BOYER ET AL.	
	Examiner RYAN PITARO	Art Unit 2171	

-- 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 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, 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 27 December 2010.
- 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 _____ 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).
a) All b) Some * c) None of:
 - 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/08)
Paper No(s)/Mail Date 3/29/2011.
- 3) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 4) Other: _____.

Claim Rejections - 35 USC § 103

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

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1,3-9,12-14,18-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ludolph ("Ludolph", US 6,664,983) in view of Pinard et al ("Pinard", US 5,533,110).

As per claim 1, Ludolph teaches a method for displaying a user interface for managing communication sessions on a communications device, the method comprising:

displaying, on a first side portion of the user interface, a first set of user-configurable communication information (Column 5 lines 24-38, a list of operations that the user can perform relative to the person whose image is displayed that contains a list of operations that the user can perform relative to the person whose image is displayed in of icons.);

displaying, on a second side portion of the user interface, a second set of user-configurable communication information (Column 5 lines 14-23, panel configured to

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display a calendar viewer application that displays and accepts modifications to a user's calendar);

Ludolph teaches a center portion of the interface comprising a workspace (Column 4 lines 45-58, workspace 224), but fails to distinctly point out teaching a communication work space comprising an active spotlight region. However, Pinard teaches teaching a communication work space comprising an active spotlight region (Figure 2, Column 4 lines 10-38, Call setup region). Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the teaching of Pinard with the method of Ludolph. Motivation to do so would have been to provide an easy and organized way to manage and visualize communications between several users.

As per claim 3, Ludolph teaches the method of claim 1, wherein the first set of user-configurable communication information and the second set of user-configurable communication information each comprise at least one of contact information, schedule information (Figure 3, calendar and scheduling application), current communication session information, applications (Figure 5, Applications), and other multimedia communication features.

[Bracketed claims are not considered an alternative embodiment was chosen from the alternative type language, the bracketed claims require the at least one set to include contact information]

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[4. The method of claim 3, wherein the contact information comprises at least one of a name, phone number, email address, instant messaging address, social media link, an image, presence information, relationship information, business information, personal notes, and other communication links.]

[5. The method of claim 3, wherein the contact information is presented based on at least one of alphabetical order and frequency of use.]

[6. The method of claim 5, wherein frequency of use is further based on at least one of topic, project, and recency of use.]

[7. The method of claim 3, wherein a trust level between a user and a particular contact restricts which pieces of contact information are displayed for the particular contact.]

[8. The method of claim 3, wherein at least part of the contact information is organized into expandable groups.]

As per claim 9, Ludolph teaches the method of claim 1, wherein the first side portion of the user interface is on a left side of a display, and the second side portion of the user interface is on a right side of the display (Figure 4, Column 2 lines 45-52, multiple panels can be attached to each edge).

As per claim 12, Pinard teaches the method of claim 1, wherein the communication work space displays at least one current communication session (Figure 4).

As per claim 13, Pinard teaches the method of claim 12, further comprising displaying controls and settings based on the at least one current communication session (Figure 3).

As per claim 14, Pinard teaches the method of claim 12, further comprising: receiving user input to toggle from an active communication session from a first current communication session to a second communication session; setting the second communication session as the active communication session; and updating the communication work space to reflect the active communication session (Figure 8).

As per claim 18, Pinard teaches the method of claim 1, further comprising displaying a media menu of communication modalities (Figure 3, call setup voice or video).

Claims 19 and 20 are similar in scope to that of claim 1, and are therefore rejected under similar rationale.

Claims 10,11,16, and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ludolph ("Ludolph", US 6,664,983) in view of Pinard et al ("Pinard", US 5,533,110) in view of Rostom ("Rostom", US 2006/0095865).

As per claim 10, Ludolph-Pinard teaches a first and second set of configurable communication items, but fail to distinctly point out the menus displayed a as a fan of items. However, Rostom teaches the method of claim 1, wherein the set items are displayed as a fan of items (Figure 5 and Figure 6). Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the teaching of Rostom with the method of Ludolph-Pinard. Motivation to do so would have been to provide the user with a more ornate looking menu that may be more visually appealing than a simple list menu.

As per claim 11, Rostom teaches the method of claim 10, further comprising: receiving from a user a touch input directed to one of the first fan of items and the second fan of items; and scrolling the one of the first fan of items and the second fan of items based on the touch input ([0031]).

As per claim 16, Rostom teaches the method of claim 1, further comprising displaying a notification bar (Figure 3, [0026]).

As per claim 17, Rostom teaches the method of claim 16, wherein the notification bar comprises at least one of alerts, a time, a date, a reminder, a current user status, a current user presence (Figure 3, [0026] Time).

Claims 2 and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ludolph ("Ludolph", US 6,664,983) in view of Pinard et al ("Pinard", US 5,533,110) in view of Ording et al ("Ording", US 2007/0150830).

As per claim 2, Ludolph-Pinard fails to distinctly point out teaching a touch sensitive displays. Touch sensitive displays are well known in the art, and Ording specifically teaches the method of claim 1, wherein the communications device receives user input via a touch sensitive display ([0042] point of contact by the user over an index on the touch-sensitive display). Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the teaching of Ording with the method of Ludolph-Pinard. Motivation to do so would have been to allow the user to interact with the applications in a more intuitive manner while eliminating the user of extra hardware, such as mouse, trackball, or touchpad.

As per claim 15, Ording teaches the method of claim 1, further comprising displaying on the first side portion of the user interface an index associated with the first set of user-configurable communication information ([0042]-[0043].)

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to RYAN PITARO whose telephone number is (571)272-4071. The examiner can normally be reached on 9:00am - 5:30pm Mondays through Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matt Kim can be reached on 571-272-4182. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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

/Ryan F Pitaro/
Primary Examiner, Art Unit 2171

Application/Control Number: 12/978,884
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	Examiner RYAN PITARO	Art Unit 2171	Page 1 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-5,533,110 A	07-1996	Pinard et al.	379/355.01
*	B	US-5,627,978 A	05-1997	Altom et al.	715/758
*	C	US-5,717,863 A	02-1998	Adamson et al.	709/204
*	D	US-6,191,807 B1	02-2001	Hamada et al.	348/14.07
*	E	US-6,278,454 B1	08-2001	Krishnan, Shankarnarayan	715/846
*	F	US-2003/0160815 A1	08-2003	Muschetto, James Edward	345/733
*	G	US-6,664,983 B2	12-2003	Ludolph, Frank	715/775
*	H	US-6,850,255 B2	02-2005	Muschetto, James Edward	715/788
*	I	US-2005/0278647 A1	12-2005	Leavitt et al.	715/765
*	J	US-2006/0095865 A1	05-2006	Rostom, Mohamed A.	715/810
*	K	US-2006/0271869 A1	11-2006	Thanu et al.	715/764
*	L	US-2006/0271864 A1	11-2006	Satterfield et al.	715/764
*	M	US-2007/0150830 A1	06-2007	Ording et al.	715/784

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	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.

Notice of References Cited	Application/Control No. 12/978,884	Applicant(s)/Patent Under Reexamination BOYER ET AL.	
	Examiner RYAN PITARO	Art Unit 2171	Page 2 of 2

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2007/0157114 A1	Bishop et al.	715/787
*	B	US-2008/0086699 A1	ANTIKAINEN et al.	715/784
*	C	US-2008/0270894 A1	Whittle et al.	715/256
*	D	US-2008/0250386 A1	Erl, Thomas F.	717/100
*	E	US-7,478,129 B1	Chemtob, Helen Jeanne	709/204
*	F	US-2009/0059818 A1	Pickett, Scott K.	370/259
*	G	US-2010/0011314 A1	Peterson, Harold Lee	715/779
*	H	US-2010/0285785 A1	Wang et al.	455/418
*	I	US-2011/0041092 A1	Zhang, Xuezhi	715/777
*	J	US-2011/0087983 A1	SHIM, Sang Hoon	715/769
*	K	US-2012/0254772 A1	Blagsvedt et al.	715/752
*	L	US-8,312,422 B2	Karatal et al.	717/105
*	M	US-		


FOREIGN PATENT DOCUMENTS

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NON-PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
*	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. 12978884	Applicant(s)/Patent Under Reexamination BOYER ET AL.
	Examiner RYAN PITARO	Art Unit 2171

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner

SEARCH NOTES		
Search Notes	Date	Examiner
EAST	3/8/2013	RFP
Inventor Name Search	3/8/2013	RFP
Internet	3/8/2013	RFP
IEEE	3/8/2013	RFP

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

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<p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i></p>		Application Number	12/978,884
		Filing Date	December 27, 2010
		First Named Inventor	David G. BOYER
		Art Unit	2447
		Examiner Name	Unknown
Sheet	1 of 2	Attorney Docket Number	969-0015

U.S. PATENT DOCUMENTS

*Examiner Initials	Cite No.	DOCUMENT NUMBER Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/R.P./	1	US- 7,616,751	11-10-2009	Mohler	
/R.P./	2	US- 5,627,978	05-06-1997	Altom et al.	
/R.P./	3	US- 2009/0303187	12-10-2009	Pallakoff	
		US-			
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EXAMINER SIGNATURE /Ryan Pitaro/	DATE CONSIDERED 03/10/2013
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	12/978,884
		Filing Date	December 27, 2010
		First Named Inventor	David G. BOYER
		Art Unit	2447
		Examiner Name	Unknown
Sheet	2 of 2	Attorney Docket Number	069-0015

OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS

*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, page(s), volume-issue number(s), publisher, city and/or country where published	TRANSLATION	
			YES	NO
/R.P./	1	Dan Saffer, "3x2x2: A New Method of Thumb Typing for Tablet Computers." April 27, 2010. http://www.kickerstudio.com/blog/2010/04/3x2x2-a-new-method-of-thumb-typing-for-tablet-computers/	<input type="checkbox"/>	<input type="checkbox"/>
/R.P./	2	Marc Perlon "Origami UI on CeBIT web site. March 8, 2006 http://www.engadget.com/2006/03/08/cebit-web-site-shows-origami-ui/	<input type="checkbox"/>	<input type="checkbox"/>
/R.P./	3	"Spatial Interactive Visualization on Small Screen3", <i>Proceedings of the 7th international Conference on Human Computer interaction with Mobile Devices & Services (Saizburg, Austria, September 19-22, 2005)</i>	<input type="checkbox"/>	<input type="checkbox"/>
/R.P./	4	KHAN et al. "Spotlight: Diercting Users' Attention on Large Displays," CHI 2005, PAPERS: Enhancing Virtual Spaces and Large Displays, April 2-7, Portland, Oregon, USA	<input type="checkbox"/>	<input type="checkbox"/>
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			<input type="checkbox"/>	<input type="checkbox"/>
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EXAMINER SIGNATURE /Ryan Pitaro/	DATE CONSIDERED 03/10/2013
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	597	spotlight with region	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 21:37
L2	12	spotlight with region and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 21:37
L3	14	spotlight with (zone region) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 21:43
L4	594	(activation spotlight) with (zone region) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 21:45
L5	13	(activation spotlight) with (zone region) with (communication call conference) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 21:45
L6	49	fan with menu and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 21:47
L7	22	side\$bar with index	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 22:17
L8	3477	index with touch	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 22:21
L9	260	index with touch and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 22:21
L10	0	"200800886699"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 22:25

L11	2	"20080086699"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 22:26
L12	40	index with touch with contact and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 22:28
S1	6	("20080303187" "5627978" "7616751").PN.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:47
S2	125	calendar with (buddy contact) with side	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:49
S3	8	calendar with (buddy contact) with side and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:49
S4	14	side near bar with (buddy contact) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:52
S5	83609	side near bar both and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:54
S6	6	side near bar near4 both and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:55
S7	97	side with application near4 both and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:56
S8	2	"20050278647"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:13
S9	9	(tool near bar) with edge with both	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:17
S10	359	(tool near bar) with edge	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:18


S11	7	dual with side\$bar	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:18
S12	45	drag with side\$bar and contact	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:19
S13	5	"2004027559"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:23
S14	91	("5627978" "20050182745" "20060235716" "5768552" "7167182" "20080309617" "D052937" "20070208806" "5892764" "20030206619" "20100162153" "20100167710" "20120077536" "20090204904" "20100223089" "5533110" "7124164" "5940488" "20080167056" "20090059818" "6191807" "6751669" "D529920" "20100011304" "20090089683" "20090138554" "20090248709" "20110022968" "D528553" "D603866" "20080253476" "20030133562" "20070053308" "20080146156" "20090241031" "8082302" "20080115087" "D529036" "20040028199" "20040258222" "20050151836" "20080117264" "20090006980" "D591304" "7478129" "20080075247" "6445682" "20070282621" "7949952").PN.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:30
S15	186	("5533110").URPN.	USPAT	OR	ON	2013/03/10 13:44
S16	2090	(communication conference) with visual with (interface)	USPAT	OR	ON	2013/03/10 15:16
S17	253	(communication conference) with visual with (interface) and "715"/\$.ccls.	USPAT	OR	ON	2013/03/10 15:17
S18	672	(communication conference) with visual with (interface) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:18
S19	694	(communication conference) with visual with (interface UI GUI) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:18
S20	32	(communication conference) with visual with (interface UI GUI) and side\$bar and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:18
S21	363	(communication conference) with (interface UI GUI) and side\$bar and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:37
S22	57	(communication conference) with side\$bar and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:48
S23	311	slide near out and "715"/\$.ccls.	US-PGPUB;	OR	ON	2013/03/10

			USPAT; EPO			15:59
S24	1	(pop slide) near out with menu with edge and "715"/\$.cls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:59
S25	2	(pop slide) near out with (drawer menu) with edge and "715"/\$.cls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 16:00
S26	97	(pop slide) with (drawer menu) with edge and "715"/\$.cls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 16:01
S27	56	(open slide) with (drawer menu) with edge and "715"/\$.cls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 16:01
S28	18	("5305435" "5657049" "5745096" "5874958" "5897670" "5963208" "6078327" "6081265" "6128012" "6133898" "6133916" "6133918" "6175364" "6252597" "6307574" "6351776" "6356284" "6664983").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2013/03/10 16:08

EAST Search History (Interference)

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3/ 10/ 2013 10:38:40 PM**C:\ Users\ rpitaro\ Documents\ EAST\ Workspaces\ 12978884.wsp**

<i>Index of Claims</i> 	Application/Control No. 12978884	Applicant(s)/Patent Under Reexamination BOYER ET AL.
	Examiner RYAN PITARO	Art Unit 2171

✓	Rejected
=	Allowed

-	Cancelled
÷	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

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

CLAIM		DATE							
Final	Original	03/10/2013							
	1	✓							
	2	✓							
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	4	✓							
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	20	✓							



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/978,884	12/27/2010	DAVID G. BOYER	510114-US-NP(CSM)	2028
95158	7590	09/24/2013	EXAMINER	
Novak Druce Connolly Bove+ Quigg LLP - Avaya Inc. 2810 Laurian Lane Suite 200 Dunkirk, MD 20754			PITARO, RYAN F	
			ART UNIT	PAPER NUMBER
			2171	
			NOTIFICATION DATE	DELIVERY MODE
			09/24/2013	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):

quy.le@novakdruce.com
lindsey.patten@novakdruce.com
pair_avaya@firsttofile.com

Office Action Summary	Application No. 12/978,884	Applicant(s) BOYER ET AL.	
	Examiner RYAN PITARO	Art Unit 2171	AIA (First Inventor to File) Status No

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, 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 6/30/2013.
 - 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 _____ 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/08)
Paper No(s)/Mail Date _____
- 3) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 4) Other: _____

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

Claim Rejections - 35 USC § 103

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

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 114, 16-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ludolph ("Ludolph", US 6,664,983) in view of Pinard et al ("Pinard", US 5,533,110) in view of Rostom ("Rostom", US 2007/0094597) in view of Cheng et al ("Cheng", US 8,418,067).

As per claim 1, Ludolph teaches a method for displaying a user interface for managing communication sessions on a communications device, the method comprising:

displaying, on a first side portion of the user interface, a first set of user-configurable communication information (Column 5 lines 24-38, a list of operations that the user can perform relative to the person whose image is displayed that contains a list of operations that the user can perform relative to the person whose image is displayed in of icons.);

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displaying, on a second side portion of the user interface, a second set of user-configurable communication information (Column 5 lines 14-23, panel configured to display a calendar viewer application that displays and accepts modifications to a user's calendar);

Ludolph teaches a center portion of the interface comprising a workspace (Column 4 lines 45-58, workspace 224), but fails to distinctly point out teaching a communication work space comprising an active spotlight region. However, Pinard teaches teaching a communication work space comprising an active spotlight region (Figure 2, Column 4 lines 10-38, Call setup region). Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the teaching of Pinard with the method of Ludolph. Motivation to do so would have been to provide an easy and organized way to manage and visualize communications between several users.

Ludolph-Pinard teaches displaying on both sides a set of user configurable communication information. However, Ludolph fails to teach the set being a fan. However, Rostom teaches a first fan having drop-down preselectors and comprising a first graphical user interface element ([0043] fanned tabs see Figure 6). Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to apply the fan layout to each of the sides of Ludolph in order to make the UI more intuitive and aesthetically pleasing to a user.

Ludolph-Pinard-Rostom fails to teach the set of user interface elements based on a rolodex metaphor.

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However, Cheng teaches the set of user interface elements based on a rolodex metaphor (Column 5 lines 10-14). Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the teaching of Cheng with the method of Ludolph-Pinard-Rostom. Motivation to do so would have been to provide a familiar real life metaphor in order for the user to quickly familiarize themselves with the interface.

As per claim 2, Cheng teaches a method wherein the communications device receives user input via a touch sensitive display (Column 14 lines 30-40).

As per claim 3, Ludolph teaches the method of claim 1, wherein the first set of user-configurable communication information and the second set of user-configurable communication information each comprise at least one of contact information, schedule information (Figure 3, calendar and scheduling application), current communication session information, applications (Figure 5, Applications), and other multimedia communication features.

[Bracketed claims are not considered an alternative embodiment was chosen from the alternative type language, the bracketed claims require the at least one set to include contact information]

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[4. The method of claim 3, wherein the contact information comprises at least one of a name, phone number, email address, instant messaging address, social media link, an image, presence information, relationship information, business information, personal notes, and other communication links.]

[5. The method of claim 3, wherein the contact information is presented based on at least one of alphabetical order and frequency of use.]

[6. The method of claim 5, wherein frequency of use is further based on at least one of topic, project, and recency of use.]

[7. The method of claim 3, wherein a trust level between a user and a particular contact restricts which pieces of contact information are displayed for the particular contact.]

[8. The method of claim 3, wherein at least part of the contact information is organized into expandable groups.]

As per claim 9, Ludolph teaches the method of claim 1, wherein the first side portion of the user interface is on a left side of a display, and the second side portion of the user interface is on a right side of the display (Figure 4, Column 2 lines 45-52, multiple panels can be attached to each edge).

As per claim 10, Cheng teaches a method wherein the rolodex metaphor allows a user to navigate through each fan by at least one of flipping through items and scrolling through items (Column 5 lines 10-14).

As per claim 11, Rostom teaches the method of claim 10, further comprising: receiving from a user a touch input directed to one of the first fan of items and the second fan of items; and scrolling the one of the first fan of items and the second fan of items based on the touch input ([0045] see also Cheng Column 14 lines 30-40, touch screen).

As per claim 12, Pinard teaches the method of claim 1, wherein the communication work space displays at least one current communication session (Figure 4).

As per claim 13, Pinard teaches the method of claim 12, further comprising displaying controls and settings based on the at least one current communication session (Figure 3).

As per claim 14, Pinard teaches the method of claim 12, further comprising: receiving user input to toggle from an active communication session from a first current communication session to a second communication session; setting the second

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communication session as the active communication session; and updating the communication work space to reflect the active communication session (Figure 8).

As per claim 16, Rostom teaches the method of claim 1, further comprising displaying a notification bar (Figure 3, [0040]).

As per claim 17, Rostom teaches the method of claim 16, wherein the notification bar comprises at least one of alerts, a time, a date, a reminder, a current user status, a current user presence (Figure 3, [0040] Time).

As per claim 18, Pinard teaches the method of claim 1, further comprising displaying a media menu of communication modalities (Figure 3, call setup voice or video).

Claims 19 and 20 are similar in scope to that of claim 1, and are therefore rejected under similar rationale.

Claim 15 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ludolph ("Ludolph", US 6,664,983) in view of Pinard et al ("Pinard", US 5,533,110) in view of Rostom ("Rostom", US 2007/0094597) in view of Cheng et al ("Cheng", US 8,418,067) in view of Ording et al ("Ording", US 2007/0150830).

As per claim 15, Ludolph-Pinard-Rostom-Cheng fails to teach an index. However, Ording teaches the method of claim 1, further comprising displaying on the first side portion of the user interface an index associated with the first set of user-configurable communication information ([0042]-[0043].) Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the teaching of Ording with the method of Ludolph-Pinard-Rostom-Cheng. Motivation to do so would have been to allow the user to quickly access a particular contact group eliminating the need for unnecessary scrolling.

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.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to RYAN PITARO whose telephone number is (571)272-4071. The examiner can normally be reached on 9:00am - 5:30pm Mondays through Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matt Kim can be reached on 571-272-4182. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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

/Ryan F Pitaro/
Primary Examiner, Art Unit 2171

Notice of References Cited	Application/Control No. 12/978,884	Applicant(s)/Patent Under Reexamination BOYER ET AL.	
	Examiner RYAN PITARO	Art Unit 2171	Page 1 of 1

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A US-5,745,716 A	04-1998	Tchao et al.	715/777
*	B US-2007/0094597 A1	04-2007	Rostom, Mohamed A.	715/700
*	C US-2010/0318928 A1	12-2010	Neuman et al.	715/769
*	D US-8,418,067 B2	04-2013	Cheng et al.	715/745
	E US-			
	F US-			
	G US-			
	H US-			
	I US-			
	J US-			
	K US-			
	L US-			
	M US-			


FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	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. 12978884	Applicant(s)/Patent Under Reexamination BOYER ET AL.
	Examiner RYAN PITARO	Art Unit 2171

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner

SEARCH NOTES		
Search Notes	Date	Examiner
EAST	3/8/2013	RFP
Inventor Name Search	3/8/2013	RFP
Internet	3/8/2013	RFP
IEEE	3/8/2013	RFP
Update Search	9/18/2013	RFP

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	2	"20060095865"	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 17:39
S1	6	("20080303187" "5627978" "7616751").PN.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:47
S2	125	calendar with (buddy contact) with side	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:49
S3	8	calendar with (buddy contact) with side and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:49
S4	14	side near bar with (buddy contact) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:52
S5	83609	side near bar both and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:54
S6	6	side near bar near4 both and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:55
S7	97	side with application near4 both and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:56
S8	2	"20050278647"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:13
S9	9	(tool near bar) with edge with both	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:17

S10	359	(tool near bar) with edge	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:18
S11	7	dual with side\$bar	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:18
S12	45	drag with side\$bar and contact	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:19
S13	5	"2004027559"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:23
S14	91	("5627978" "20050182745" "20060235716" "5768552" "7167182" "20080309617" "D052937" "20070208806" "5892764" "20030206619" "20100162153" "20100167710" "20120077536" "20090204904" "20100223089" "5533110" "7124164" "5940488" "20080167056" "20090059818" "6191807" "6751669" "D529920" "20100011304" "20090089683" "20090138554" "20090248709" "20110022968" "D528553" "D603866" "20080253476" "20030133562" "20070053308" "20080146156" "20090241031" "8082302" "20080115087" "D529036" "20040028199" "20040258222" "20050151836" "20080117264" "20090006980" "D591304" "7478129" "20080075247" "6445682" "20070282621" "7949952").PN.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:30
S15	186	("5533110").URPN.	USPAT	OR	ON	2013/03/10 13:44
S16	2090	(communication conference) with visual with (interface)	USPAT	OR	ON	2013/03/10 15:16
S17	253	(communication conference) with visual with (interface) and "715"/\$.ccls.	USPAT	OR	ON	2013/03/10 15:17
S18	672	(communication conference) with visual with (interface) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:18
S19	694	(communication conference) with visual with (interface UI GUI) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:18
S20	32	(communication conference) with visual with (interface UI GUI) and side\$bar and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:18
S21	363	(communication conference) with (interface UI GUI) and side\$bar and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:37

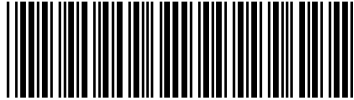
S22	57	(communication conference) with sidebar and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:48
S23	311	slide near out and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:59
S24	1	(pop slide) near out with menu with edge and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:59
S25	2	(pop slide) near out with (drawer menu) with edge and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 16:00
S26	97	(pop slide) with (drawer menu) with edge and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 16:01
S27	56	(open slide) with (drawer menu) with edge and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 16:01
S28	18	("5305435" "5657049" "5745096" "5874958" "5897670" "5963208" "6078327" "6081265" "6128012" "6133898" "6133916" "6133918" "6175364" "6252597" "6307574" "6351776" "6356284" "6664983").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2013/03/10 16:08
S29	597	spotlight with region	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 21:37
S30	12	spotlight with region and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 21:37
S31	14	spotlight with (zone region) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 21:43
S32	594	(activation spotlight) with (zone region) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 21:45
S33	13	(activation spotlight) with (zone region) with (communication call conference) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 21:45
S34	49	fan with menu and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 21:47
S35	22	sidebar with index	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 22:17

S36	3477	index with touch	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 22:21
S37	260	index with touch and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 22:21
S38	0	"200800886699"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 22:25
S39	2	"20080086699"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 22:26
S40	40	index with touch with contact and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 22:28
S41	1038	rolodex	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:32
S42	215	rolodex and "715"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:32
S43	3	"20090313553"	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:46
S44	3	"20050071481"	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:47
S45	2	"20070003223"	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:47
S46	0	((fan fanned) near out) with menu with (side edge) and "715"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:48
S47	0	((fan fanned) near4 out) with menu with (side edge) and "715"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:49

S48	1	((fan fanned)) with menu with (side edge) and "715"/\$.cls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:49
S49	1	((fan fanned)rolodex) with menu with (side edge) and "715"/\$.cls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:49
S50	67	((fan fanned) rolodex) with menu and "715"/\$.cls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:49

9/ 18/ 2013 5:50:48 PM

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<i>Index of Claims</i> 	Application/Control No. 12978884	Applicant(s)/Patent Under Reexamination BOYER ET AL.
	Examiner RYAN PITARO	Art Unit 2171

✓	Rejected
=	Allowed

-	Cancelled
÷	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

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

CLAIM		DATE							
Final	Original	03/10/2013	09/18/2013						
	1	✓	✓						
	2	✓	✓						
	3	✓	✓						
	4	✓	✓						
	5	✓	✓						
	6	✓	✓						
	7	✓	✓						
	8	✓	✓						
	9	✓	✓						
	10	✓	✓						
	11	✓	✓						
	12	✓	✓						
	13	✓	✓						
	14	✓	✓						
	15	✓	✓						
	16	✓	✓						
	17	✓	✓						
	18	✓	✓						
	19	✓	✓						
	20	✓	✓						



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/978,884	12/27/2010	DAVID G. BOYER	510114-US-NP(CSM)	2028
95158	7590	01/15/2015	EXAMINER	
Novak Druce Connolly Bove+ Quigg LLP - Avaya Inc. 2810 Laurian Lane Suite 200 Dunkirk, MD 20754			PITARO, RYAN F	
			ART UNIT	PAPER NUMBER
			2171	
			NOTIFICATION DATE	DELIVERY MODE
			01/15/2015	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):

quy.le@novakdruce.com
lindsey.patten@novakdruce.com
pair_avaya@firsttofile.com

Office Action Summary	Application No. 12/978,884	Applicant(s) BOYER ET AL.	
	Examiner RYAN PITARO	Art Unit 2171	AIA (First Inventor to File) Status No

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

Period for Reply

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

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

Status

- 1) Responsive to communication(s) filed on 12/6/2013.
 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 _____ 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: _____.

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

Claim Rejections - 35 USC § 103

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

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-11,15-17,19-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ludolph ("Ludolph", US 6,664,983) in view of Chaudhri ("Chaudhri", US 8,736,557).

As per claim 1, Ludolph teaches a method for displaying a user interface for managing communication sessions on a communications device, the method comprising:

displaying, on a first side portion of the user interface, a first set of user-configurable communication information (Column 5 lines 24-38, a list of operations that the user can perform relative to the person whose image is displayed that contains a list of operations that the user can perform relative to the person whose image is displayed in of icons.);

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Ludolph teaches a center portion of the interface comprising a workspace (Column 4 lines 45-58, workspace 224), but fails to distinctly point out teaching a fan and a communication work space comprising an active spotlight region.

Chaudhri, however, teaches a fan comprising a plurality of graphical user interface elements that are scrollable by the first user, wherein an active graphical user interface element of the plurality of graphical user interface elements displays communication information associated with a second user different from the first user (Figure 12A-12B, Column 19 lines 10-37) , and wherein inactive graphical user interface elements display truncated communication information (Figure 12A-12B); and displaying on the user interface a communication work space comprising an active spotlight region (Column 19 lines 20-25), wherein a detail of the communication information is displayed in the communication work space when the first user interacts with the active graphical user interface element (Column 19 lines 20-25, see also Fig 37G, Column 37 lines 4-20, 3726 can pertain to descriptive information concerning the digital media asset. See also 17A).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the teaching of Chaudhri with the teaching of Ludolph. Motivation to do so would have been to apply the fan layout to each of the sides of Ludolph in order to make the UI more intuitive and aesthetically pleasing to a user.

As per claim 2, Chaudhri teaches a method wherein the communications device receives user input via a touch sensitive display (See Figure 19A,19B,19C,19E,19F).

As per claim 3, Ludolph teaches the method of claim 1, wherein the communication information comprises one of contact information, schedule information (Figure 3, calendar and scheduling application), current communication session information, applications (Figure 5, Applications), and other multimedia communication features (Figure 12A, Column 19 lines 10-37 image that represents individuals whose contact information is stored in an address book).

As per claim 4, Chaudhri teaches the method of claim 3, wherein the communication comprises one of a name, phone number, email address, instant messaging address, social media link, an image, presence information, relationship information, business information, personal notes, and other communication links (Column 19 lines 20-25, see also Fig 37G, Column 37 lines 4-20, 3726 can pertain to descriptive information concerning the digital media asset).

As per claim 5, Chaudhri teaches the method of claim 3, wherein the contact information is presented based on at least one of alphabetical order and frequency of use (Figure 28A).

[Bracketed claims are not considered an alternative embodiment was chosen from the alternative type language, the bracketed claims require the at least one set to include contact information]

[6. The method of claim 5, wherein frequency of use is further based on at least one of topic, project, and recency of use.]

[7. The method of claim 3, wherein a trust level between a user and a particular contact restricts which pieces of contact information are displayed for the particular contact.]

[8. The method of claim 3, wherein at least part of the contact information is organized into expandable groups.]

As per claim 9, Ludolph teaches the method of claim 1, wherein the first side portion of the user interface is on a left side of a display, wherein the fan is a first fan, and wherein the plurality of graphical user interface elements is a first plurality of elements, the method further comprising displaying, on a second side portion of the user interface, a second fan comprising a second plurality of graphical user interface elements that are scrollable by the first user (Figure 4, Column 2 lines 45-52, multiple panels can be attached to each edge, and Column 5 lines 14-23, panel configured to display a calendar viewer application that displays and accepts modifications to a user's calendar. See also Figure 12A-12B, Column 19 lines 10-37 of Chaudhri);

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As per claim 10, Chaudhri teaches wherein the fan allows the first user to navigate through each graphical user interface element by one of flipping and scrolling through the plurality of graphical user interface elements (Fig 5-8, Column 13 lines 22-40).

As per claim 11, Chaudhri teaches the method of claim 10, further comprising: receiving from a user a touch input directed to the first fan and scrolling the fan based on the touch input (Fig 5-8, Column 13 lines 22-40. See also Figure 19A-19H).

As per claim 15, Chaudhri teaches the method of claim 1, further comprising displaying on the side portion an index associated with the fan (Figure 30A)

As per claim 16, Chaudhri teaches the method of claim 1, further comprising displaying a notification bar (Fig 37G).

As per claim 17, Chaudhri teaches the method of claim 16, wherein the notification bar comprises at least one of alerts, a time, a date, a reminder, a current user status, a current user presence (Figure 37G item 3728).

Claims 19 and 20 are similar in scope to that of claim 1, and are therefore rejected under similar rationale.

Claims 12-14,18-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ludolph ("Ludolph", US 6,664,983) in view of Chaudhri ("Chaudhri", US 8,736,557) in view of Pinard et al ("Pinard", US 5,533,110)

As per claim 12, Ludolph-Chaudhri fails to distinctly point out the communication space have a current communication session. However, Pinard teaches the method of claim 1, wherein the communication work space displays at least one current communication session (Figure 4). Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the teaching of Pinard with the method of Ludolph-Chaudhri. Motivation to do so would have been to have a centralized communication area with easily accessible side menus to contact other users.

As per claim 13, Pinard teaches the method of claim 12, further comprising displaying controls and settings based on the at least one current communication session (Figure 3).

As per claim 14, Pinard teaches the method of claim 12, further comprising: receiving user input to toggle from an active communication session from a first current communication session to a second communication session; setting the second

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communication session as the active communication session; and updating the communication work space to reflect the active communication session (Figure 8).

As per claim 18, Pinard teaches the method of claim 1, further comprising displaying a media menu of communication modalities (Figure 3, call setup voice or video).

Response to Arguments

Applicant's arguments with respect to claims 1-20 have been considered but are moot because the arguments do not apply to any of the references being used in the current rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to RYAN PITARO whose telephone number is (571)272-4071. The examiner can normally be reached on 9:00am - 5:30pm Mondays through Fridays.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matt Kim can be reached on 571-272-4182. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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

/Ryan F Pitaro/
Primary Examiner, Art Unit 2171

Notice of References Cited	Application/Control No. 12/978,884	Applicant(s)/Patent Under Reexamination BOYER ET AL.	
	Examiner RYAN PITARO	Art Unit 2171	Page 1 of 1

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A US-8,736,557	05-2014	Chaudhri, Imran	345/173
	B US-			
	C US-			
	D US-			
	E US-			
	F US-			
	G US-			
	H US-			
	I US-			
	J US-			
	K US-			
	L US-			
	M US-			

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	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.

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"6664983".pn.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/01/11 22:20
L2	4	"5533110".pn.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/01/11 22:24
L3	5	"20070094597"	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/01/11 22:24
L4	3	"8418067".pn.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/01/11 22:25
S1	6	("20080303187" "5627978" "7616751").PN.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:47
S2	125	calendar with (buddy contact) with side	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:49
S3	8	calendar with (buddy contact) with side and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:49
S4	14	side near bar with (buddy contact) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:52
S5	83609	side near bar both and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:54
S6	6	side near bar near4 both and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:55

S7	97	side with application near4 both and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 12:56
S8	2	"20050278647"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:13
S9	9	(tool near bar) with edge with both	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:17
S10	359	(tool near bar) with edge	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:18
S11	7	dual with side\$bar	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:18
S12	45	drag with side\$bar and contact	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:19
S13	5	"2004027559"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:23
S14	91	("5627978" "20050182745" "20060235716" "5768552" "7167182" "20080309617" "D052937" "20070208806" "5892764" "20030206619" "20100162153" "20100167710" "20120077536" "20090204904" "20100223089" "5533110" "7124164" "5940488" "20080167056" "20090059818" "6191807" "6751669" "D529920" "20100011304" "20090089683" "20090138554" "20090248709" "20110022968" "D528553" "D603866" "20080253476" "20030133562" "20070053308" "20080146156" "20090241031" "8082302" "20080115087" "D529036" "20040028199" "20040258222" "20050151836" "20080117264" "20090006980" "D591304" "7478129" "20080075247" "6445682" "20070282621" "7949952").PN.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 13:30
S15	186	("5533110").URPN.	USPAT	OR	ON	2013/03/10 13:44

S16	2090	(communication conference) with visual with (interface)	USPAT	OR	ON	2013/03/10 15:16
S17	253	(communication conference) with visual with (interface) and "715"/\$.ccls.	USPAT	OR	ON	2013/03/10 15:17
S18	672	(communication conference) with visual with (interface) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:18
S19	694	(communication conference) with visual with (interface UI GUI) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:18
S20	32	(communication conference) with visual with (interface UI GUI) and side\$bar and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:18
S21	363	(communication conference) with (interface UI GUI) and side\$bar and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:37
S22	57	(communication conference) with side\$bar and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:48
S23	311	slide near out and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:59
S24	1	(pop slide) near out with menu with edge and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 15:59
S25	2	(pop slide) near out with (drawer menu) with edge and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 16:00
S26	97	(pop slide) with (drawer menu) with edge and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 16:01
S27	56	(open slide) with (drawer menu) with edge and "715"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2013/03/10 16:01
S28	18	("5305435" "5657049" "5745096" "5874958" "5897670" "5963208" "6078327" "6081265" "6128012" "6133898" "6133916" "6133918" "6175364" "6252597" "6307574" "6351776" "6356284" "6664983").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2013/03/10 16:08
S29	597	spotlight with region	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 21:37
S30	12	spotlight with region and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 21:37
S31	14	spotlight with (zone region) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 21:43
S32	594	(activation spotlight) with (zone	US-PGPUB;	OR	ON	2013/03/10

		region) and "715"/\$.ccls.	USPAT; EPO; DERWENT; IBM_TDB			21:45
S33	13	(activation spotlight) with (zone region) with (communication call conference) and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 21:45
S34	49	fan with menu and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 21:47
S35	22	side\$bar with index	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 22:17
S36	3477	index with touch	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 22:21
S37	260	index with touch and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 22:21
S38	0	"200800886699"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 22:25
S39	2	"20080086699"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 22:26
S40	40	index with touch with contact and "715"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2013/03/10 22:28
S41	1038	rolodex	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:32
S42	215	rolodex and "715"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:32
S43	3	"20090313553"	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:46
S44	3	"20050071481"	US-PGPUB;	OR	ON	2013/09/18

			USPAT; FPRS; EPO; DERWENT			13:47
S45	2	"20070003223"	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:47
S46	0	((fan fanned) near out) with menu with (side edge) and "715"/\$.cls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:48
S47	0	((fan fanned) near4 out) with menu with (side edge) and "715"/\$.cls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:49
S48	1	((fan fanned)) with menu with (side edge) and "715"/\$.cls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:49
S49	1	((fan fanned)rolodex) with menu with (side edge) and "715"/\$.cls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:49
S50	67	((fan fanned) rolodex) with menu and "715"/\$.cls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 13:49
S51	2	"20060095865"	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2013/09/18 17:39
S52	12089988	cover flow	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/01/11 19:51
S53	6862	(cover near flow (coverflow))	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/01/11 19:51
S54	144	(cover near flow (coverflow)) and "715"/\$.cls.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/01/11 19:51
S55	2	"6421071".pn.	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	2015/01/11 19:55
S56	2	"20080256468"	US-PGPUB;	OR	ON	2015/01/11


			USPAT; FPRS; EPO; DERWENT			19:55
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EAST Search History (Interference)

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1 / 12 / 2015 12:20:12 AM

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Search Notes 	Application/Control No. 12978884	Applicant(s)/Patent Under Reexamination BOYER ET AL.
	Examiner RYAN PITARO	Art Unit 2171

CPC- SEARCHED		
Symbol	Date	Examiner


CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner

SEARCH NOTES		
Search Notes	Date	Examiner
EAST	3/8/2013	RFP
Inventor Name Search	3/8/2013	RFP
Internet	3/8/2013	RFP
IEEE	3/8/2013	RFP
Update Search	9/18/2013	RFP
Update Search	1/12/2015	RFP

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

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<i>Index of Claims</i> 	Application/Control No. 12978884	Applicant(s)/Patent Under Reexamination BOYER ET AL.
	Examiner RYAN PITARO	Art Unit 2171

✓	Rejected
=	Allowed

-	Cancelled
÷	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

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

CLAIM		DATE							
Final	Original	03/10/2013	09/18/2013	01/12/2015					
	1	✓	✓	✓					
	2	✓	✓	✓					
	3	✓	✓	✓					
	4	✓	✓	✓					
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	6	✓	✓	✓					
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	18	✓	✓	✓					
	19	✓	✓	✓					
	20	✓	✓	✓					



US009158444B2

(12) **United States Patent**
Boyer et al.

(10) **Patent No.:** **US 9,158,444 B2**
(45) **Date of Patent:** **Oct. 13, 2015**

(54) **USER INTERFACE FOR MANAGING COMMUNICATION SESSIONS**

(75) Inventors: **David G. Boyer**, Oceanport, NJ (US); **Narunas Bukauskas**, Brooklyn, NY (US); **Tom Coombs**, London (GB); **Trung Dinh-Trong**, Bedminster, NJ (US); **Birgit Geppert**, Basking Ridge, NJ (US); **Thomas Kleist**, Redbourn (GB); **Frank Roessler**, Basking Ridge, NJ (US)

5,717,863	A *	2/1998	Adamson et al.	709/204
5,745,716	A *	4/1998	Tchao et al.	715/777
6,191,807	B1 *	2/2001	Hamada et al.	348/14.07
6,278,454	B1 *	8/2001	Krishnan	715/846
6,664,983	B2 *	12/2003	Ludolph	715/775
6,850,255	B2 *	2/2005	Muschetto	715/788
7,478,129	B1 *	1/2009	Chemtob	709/204
7,616,751	B2	11/2009	Mohler	
8,312,422	B2 *	11/2012	Karatal et al.	717/105

(Continued)

(73) Assignee: **Avaya Inc.**, Basking Ridge, NJ (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 761 days.

(21) Appl. No.: **12/978,884**

(22) Filed: **Dec. 27, 2010**

(65) **Prior Publication Data**

US 2011/0296312 A1 Dec. 1, 2011

Related U.S. Application Data

(60) Provisional application No. 61/348,550, filed on May 26, 2010.

(51) **Int. Cl.**
G06F 3/048 (2013.01)
G06F 3/0488 (2013.01)

(52) **U.S. Cl.**
CPC **G06F 3/0488** (2013.01)

(58) **Field of Classification Search**
CPC **G06F 3/0488**
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,533,110	A *	7/1996	Pinard et al.	379/355.01
5,627,978	A *	5/1997	Altom et al.	715/758

OTHER PUBLICATIONS

Dan Saffer, "3x2x2: A New Method of Thumb Typing for Tablet Computers." Apr. 27, 2010. <http://www.kickerstudio.com/blog/2010/04/3x2x2-a-new-method-of-thumb-typing-for-tablet-computers/>.

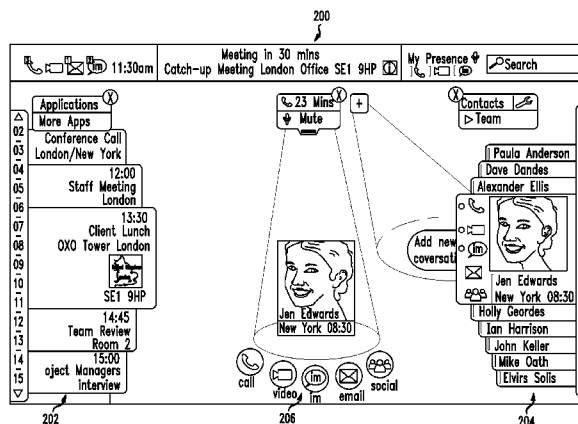
(Continued)

Primary Examiner — Ryan Pitaro

(57) **ABSTRACT**

Disclosed herein are systems, methods, and non-transitory computer-readable storage media for displaying a user interface for managing communication sessions on a communication device. A system configured to practice the method displays, on a first side portion of the user interface, a first set of user-configurable communication information. The system displays, a second side portion of the user interface, a second set of user-configurable communication information. The system displays, on a center portion of the user interface, a communication work space for managing communication sessions. In one embodiment including a touch sensitive display, this interface is used with a tablet device such that a natural position of user's thumbs are in an optimal position to interact efficiently with the user interface. The side portions can be user-configurable to display, for example, contacts, calendar events, tasks, memos, and so forth.

20 Claims, 9 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

8,418,067 B2 * 4/2013 Cheng et al. 715/745
 8,736,557 B2 * 5/2014 Chaudhri 345/173
 2003/0160815 A1 * 8/2003 Muschetto 345/733
 2005/0278647 A1 * 12/2005 Leavitt et al. 715/765
 2006/0095865 A1 * 5/2006 Rostom 715/810
 2006/0271864 A1 * 11/2006 Satterfield et al. 715/764
 2006/0271869 A1 * 11/2006 Thanu et al. 715/764
 2007/0094597 A1 * 4/2007 Rostom 715/700
 2007/0150830 A1 * 6/2007 Ording et al. 715/784
 2007/0157114 A1 * 7/2007 Bishop et al. 715/787
 2007/0234220 A1 * 10/2007 Khan et al. 715/745
 2008/0086699 A1 * 4/2008 Antikainen et al. 715/784
 2008/0250386 A1 * 10/2008 Erl 717/100
 2008/0270894 A1 * 10/2008 Whittle et al. 715/256
 2009/0059818 A1 * 3/2009 Pickett 370/259
 2009/0303187 A1 12/2009 Pallakoff
 2010/0011314 A1 * 1/2010 Peterson 715/779

2010/0285785 A1 * 11/2010 Wang et al. 455/418
 2010/0318928 A1 * 12/2010 Neuman et al. 715/769
 2011/0041092 A1 * 2/2011 Zhang 715/777
 2011/0087983 A1 * 4/2011 Shim 715/769
 2011/0258550 A1 * 10/2011 Dinh-Trong et al. 715/736
 2012/0254772 A1 * 10/2012 Blagsvedt et al. 715/752
 2014/0189005 A1 * 7/2014 Dinh-Trong et al. 709/204

OTHER PUBLICATIONS

Marc Perton Origami UI on CeBIT web site. Mar. 8, 2006 <http://www.engadget.com/2006/03/08/cebit-web-site-shows-origami-ui/>.
 "Spatial Interactive Visualization on Small Screen3", *Proceedings of the 7th international Conference on Human Computer interaction with Mobile Devices & Services* (Salzburg, Austria, Sep. 19-22, 2005).
 Khan et al. "Spotlight: Directing Users' Attention on Large Displays," CHI 2005, PAPERS: Enhancing Virtual Spaces and Large Displays, Apr. 2-7, Portland, Oregon, USA.

* cited by examiner

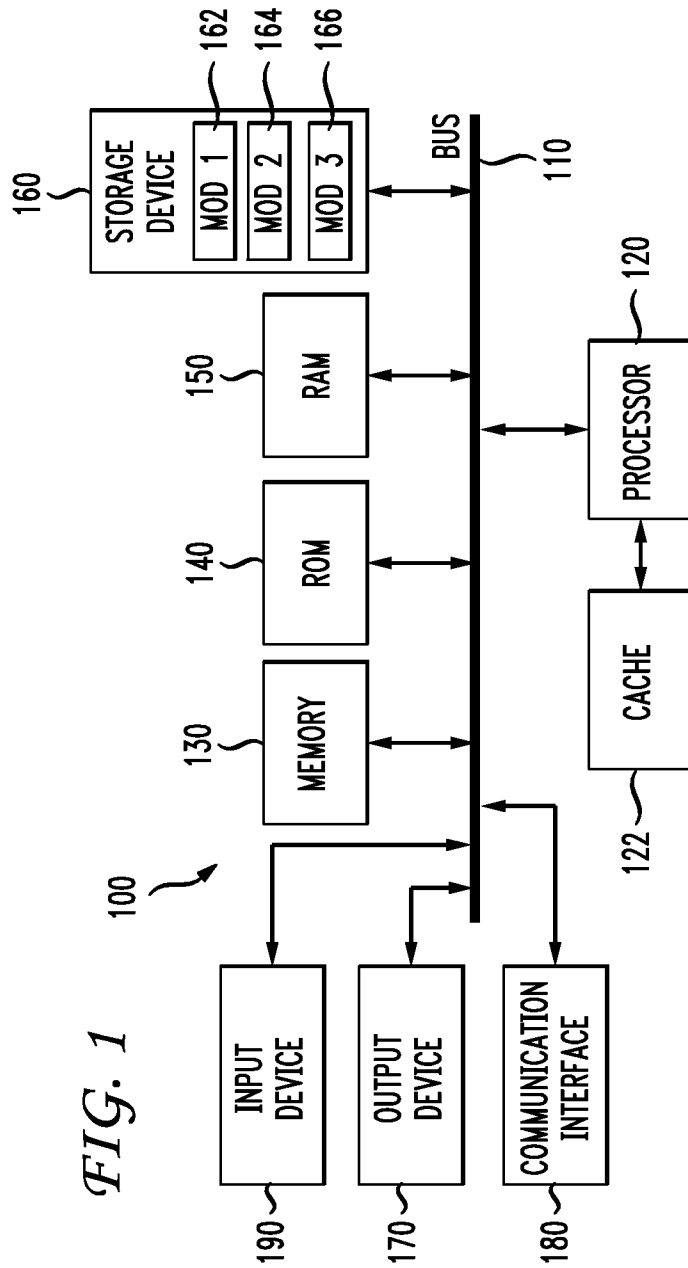
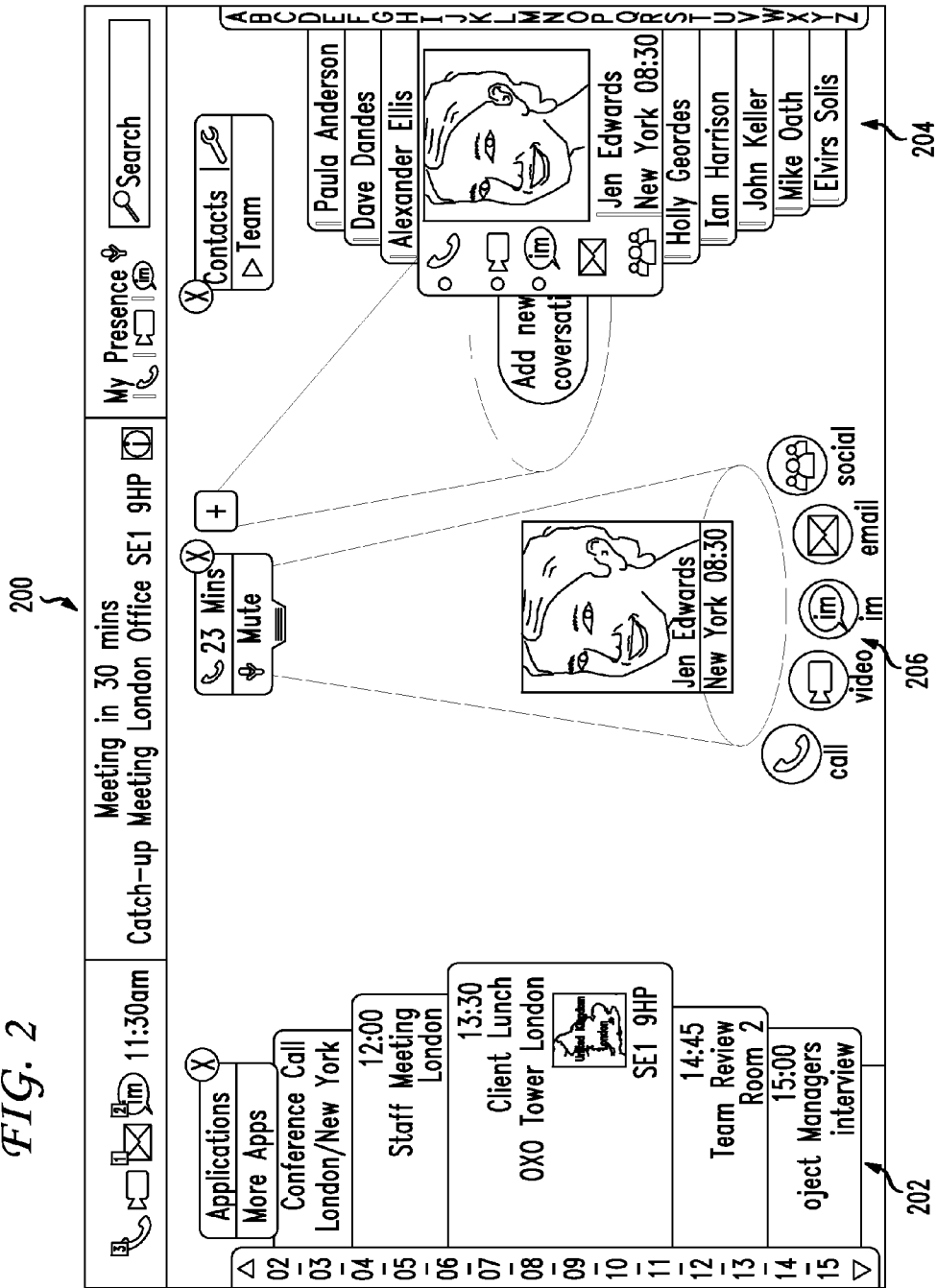


FIG. 1

FIG. 2



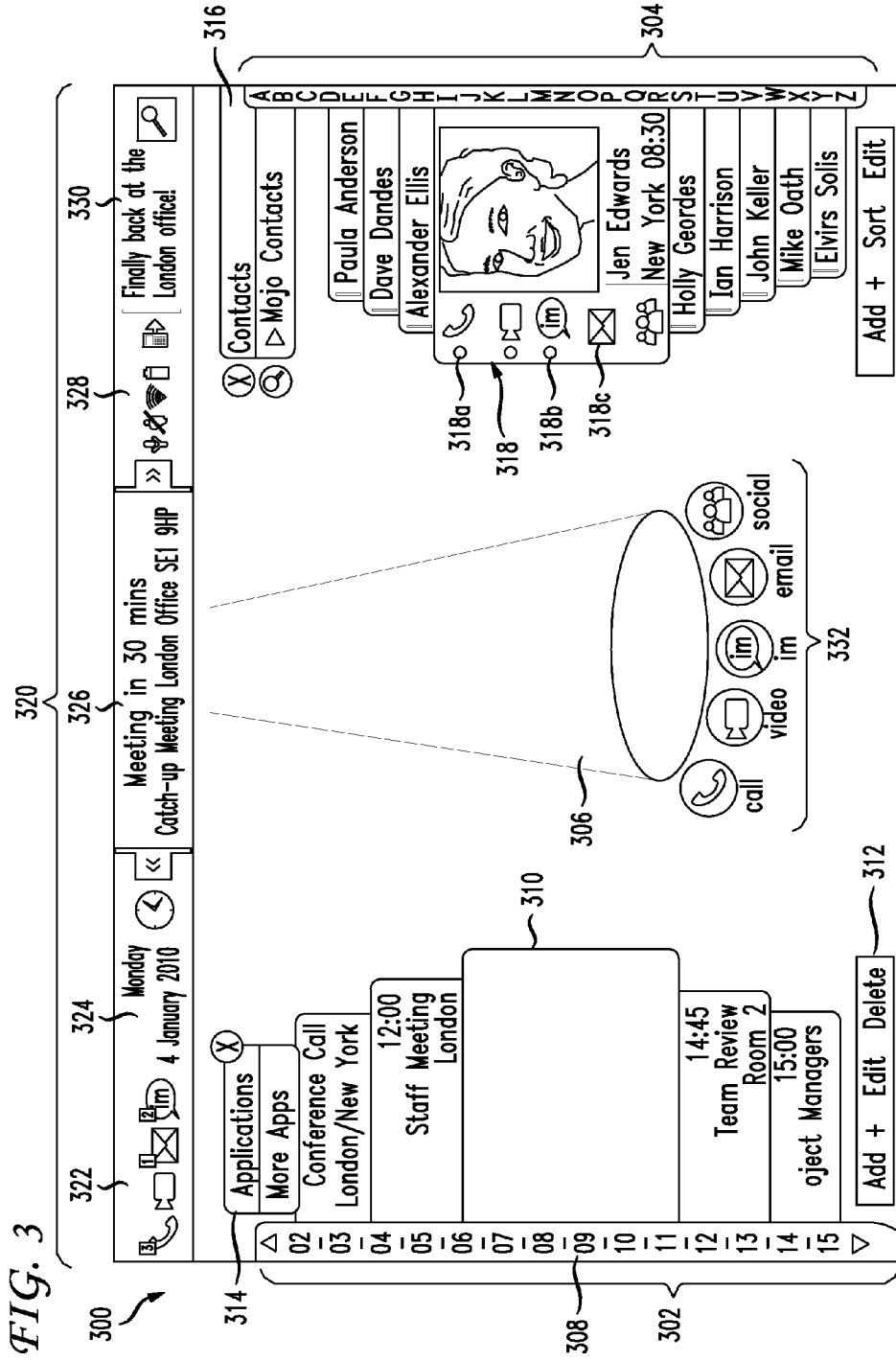


FIG. 4

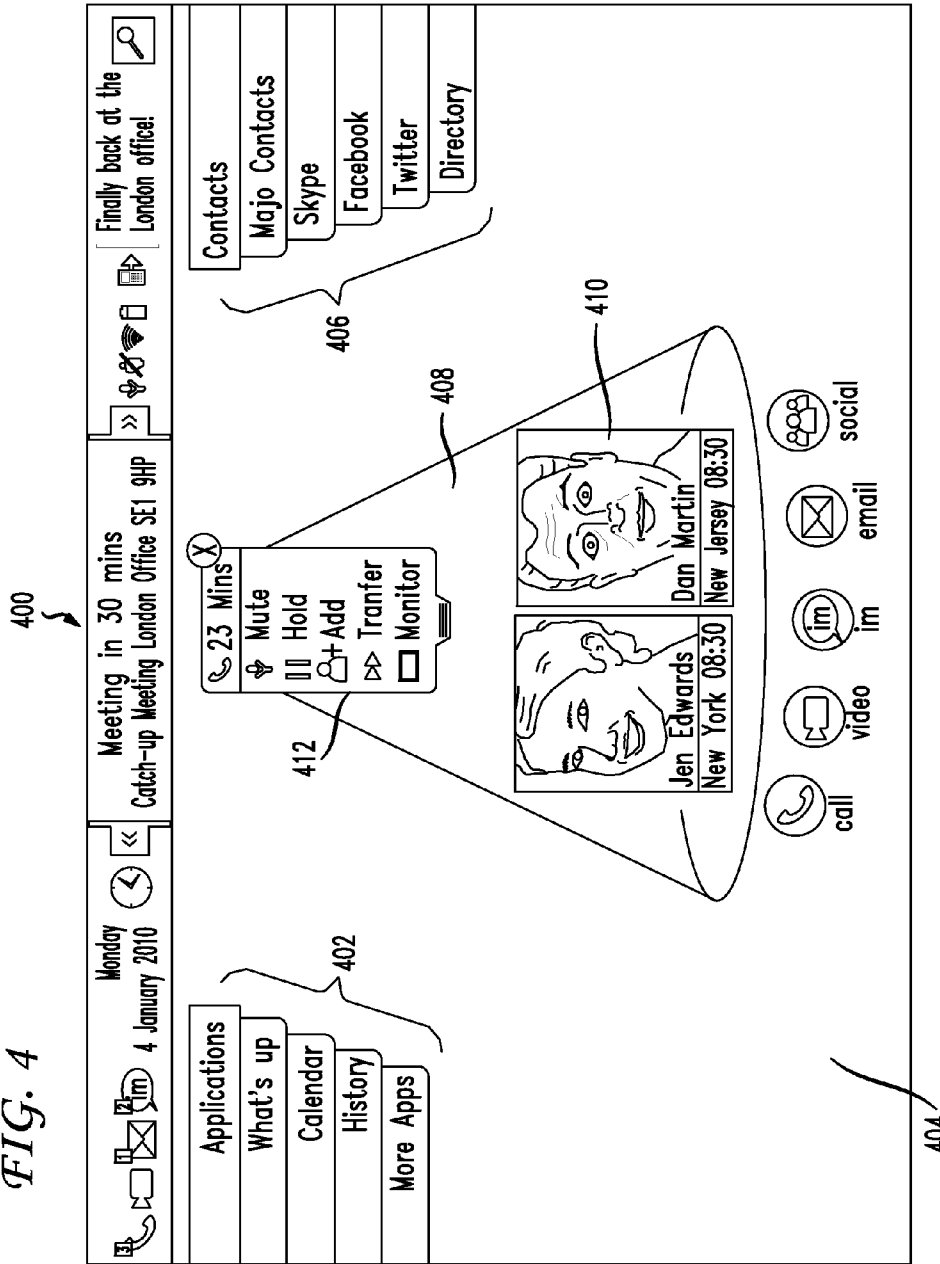


FIG. 5

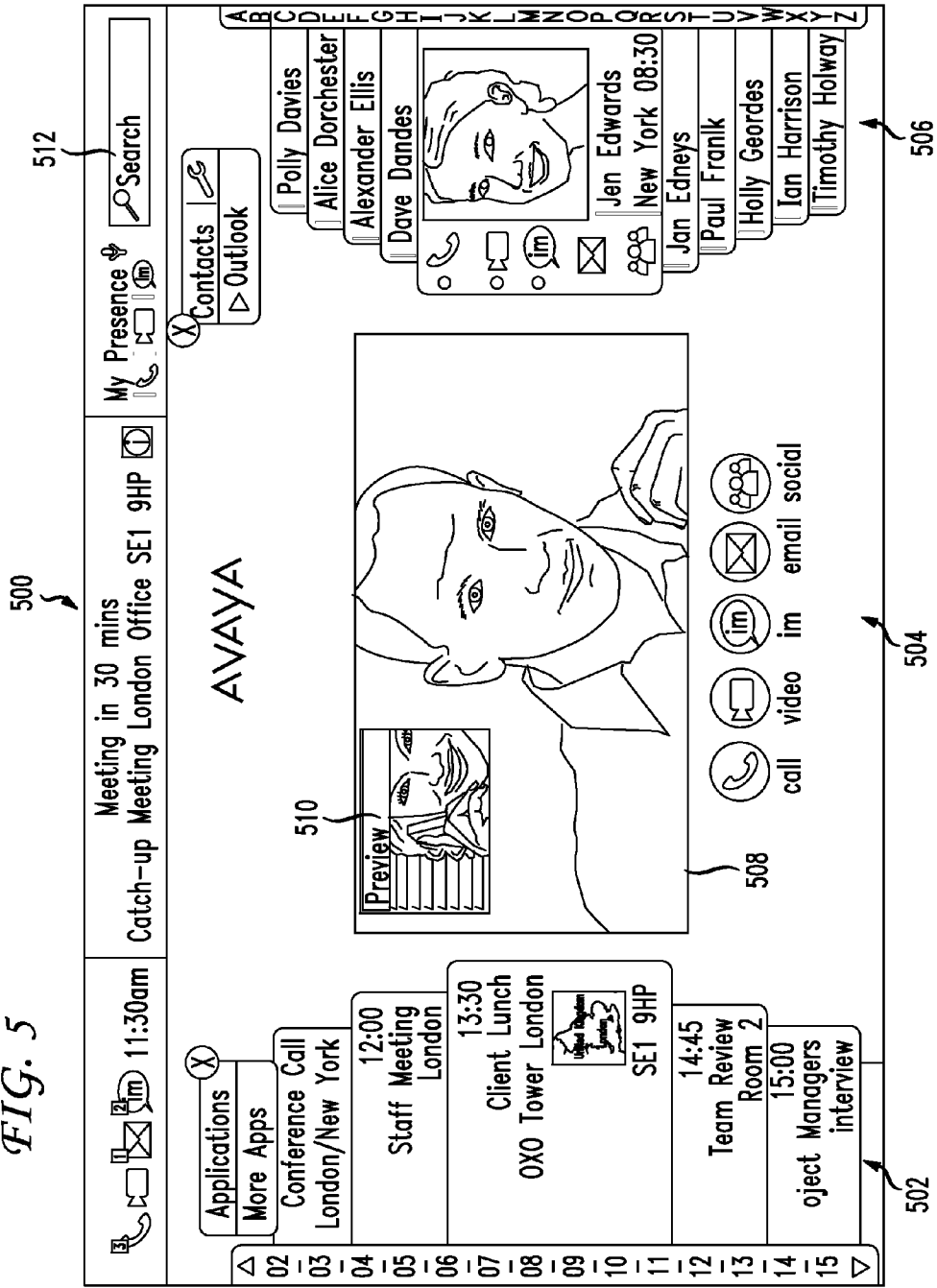


FIG. 6

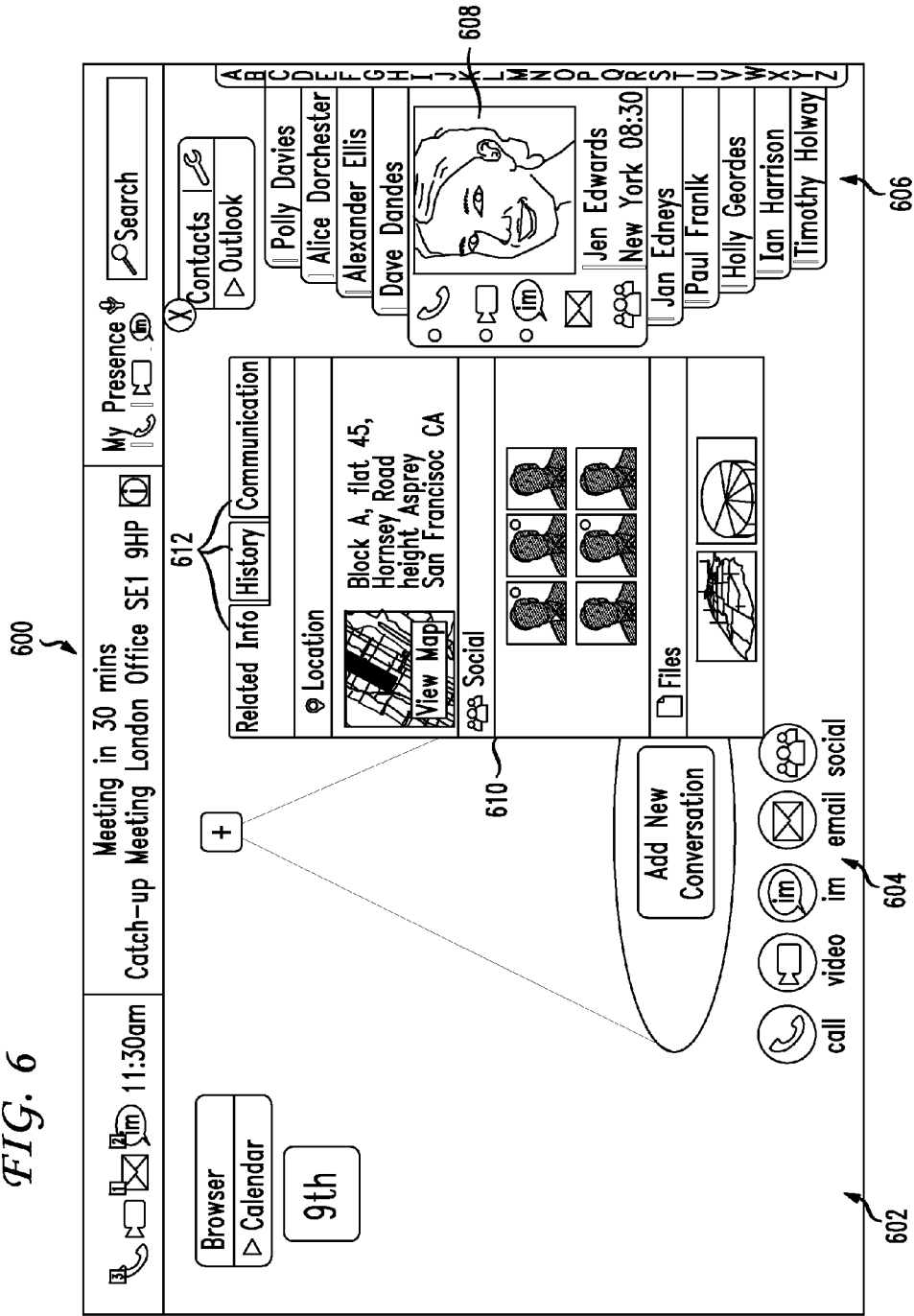


FIG. 7

The screenshot displays a calendar application interface. At the top, there is a navigation bar with icons for 'My Presence', 'Search', 'Contacts', and 'Outlook'. Below this is a header section with a search bar and a 'My Presence' indicator. The main area is divided into two sections: a calendar view on the left and a details view on the right.

Calendar View (700): Shows a list of events for the week of November 23rd. The events are:

- Catch-up Meeting (708):** Mon 23 Nov 12:00-13:00, London/New York. Description: Catch-up Meeting with team regarding new collaboration starting next week. Marketing managers presenting to the board, latest campaigns.
- Performance Reviews (710):** Mon 23 Nov 12:00-12:30, London. Description: Create employees performance review organized around the typical performance review form and concepts. Choose from six review forms that have been designed, based on text and observations.

Details View (702): Shows details for the selected event, 'Catch-up Meeting'. It includes:

- Where:** Mon 23 Nov 12:00-13:00, London/New York
- Description:** Catch-up Meeting with team regarding new collaboration starting next week. Marketing managers presenting to the board, latest campaigns.
- Participants:** (14) add+
 - Roger Hall
 - lucyryden@gmail.com
 - kanysmith@yahoo.com
 - demo.pdf
 - presentation.ppt
 - form1.pdf
- Call:** +44 020 345 773, Pin: 401 188#

Bottom Bar (704): Contains communication icons: call, video, im, email, social.

FIG. 8

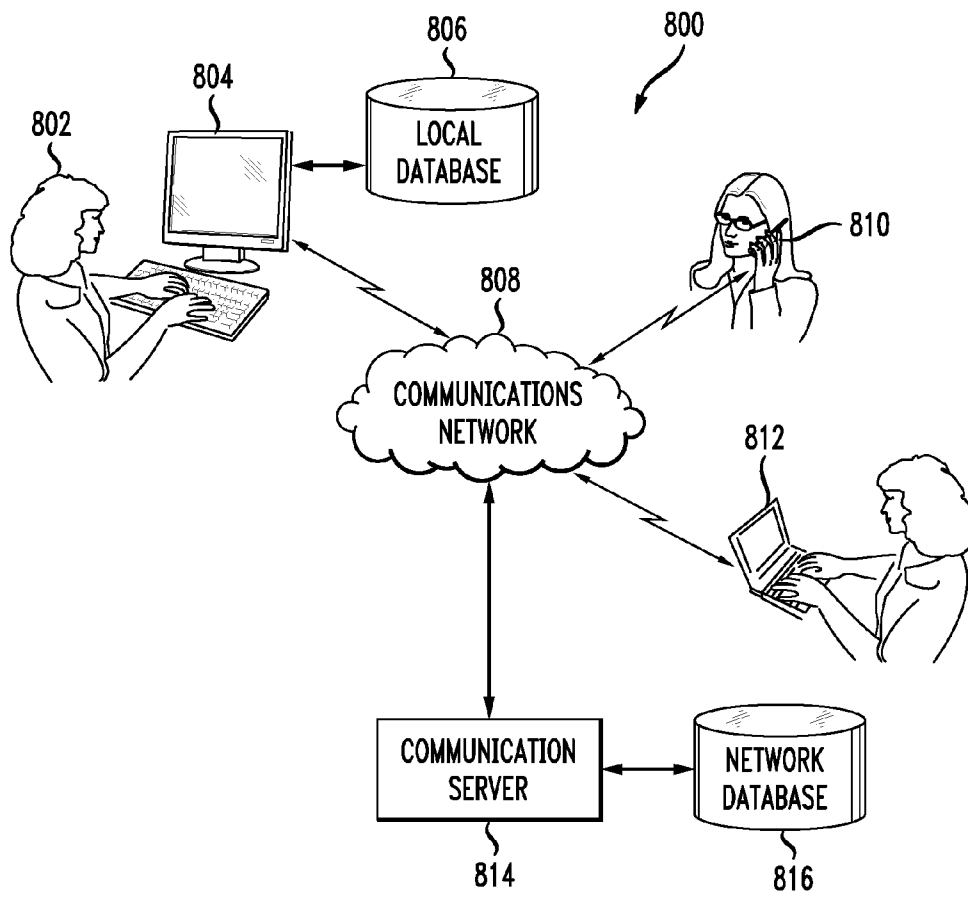
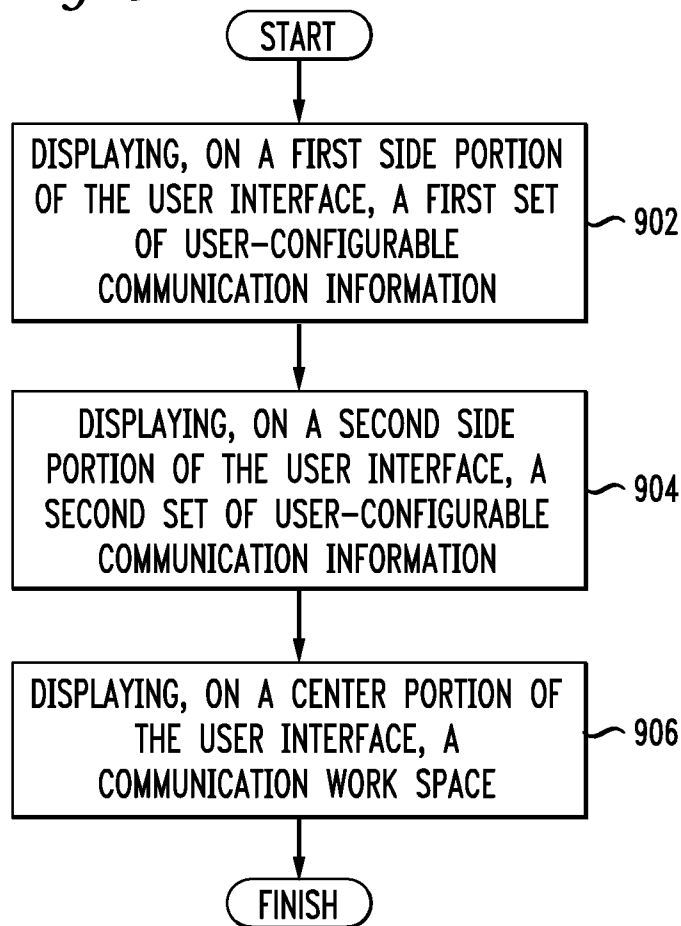


FIG. 9



USER INTERFACE FOR MANAGING COMMUNICATION SESSIONS

RELATED APPLICATIONS

This application claims priority to U.S. Provisional Application 61/348,550, filed 26 May 2010, the contents of which are herein incorporated by reference in their entirety.

BACKGROUND

1. Technical Field

The present disclosure relates to communications and more specifically to intuitive user interfaces for managing communications.

2. Introduction

Manufacturers of touch tone telephones, such as phones meeting ITU-T standard Q.23, have supplemented the functionality of touch tone telephones over the years by adding feature buttons and menus. Users can activate simple features via buttons, and more complex features via hierarchical menus actuated by track balls, quadrant style pointers and the like. Some telephones, such as smartphones and other mobile phones, include touch sensitive displays are also known. However, these touch screen telephones simply replace touchtone buttons and feature buttons or menus with actuator buttons designated by an icon on the touch screen that is delineated as the equivalent functionality. Touch screen telephones have advanced the art a bit by allowing the user to touch an entry in a contact database to call that contact or touch a message to contact the caller who left the message. In addition, there is click to call capability within some IP Soft-phones.

User testing indicates that certain features make such a user interface more intuitive. Many people have trouble remembering and implementing specific button sequences for advanced functionality, such as a conference call, selectively drop a caller, place on hold, and answer new calls. In addition, the use of feature buttons and the appropriate sequences of feature buttons can also be confusing. This problem is exacerbated by innumerable user interface variations from brand to brand and from model to model. This unintuitive interface leads to mistakes such as dropped calls and, as a result, lost productivity.

These problems are made worse in mobile platforms. For example, when an individual holds a tablet sized phone, PC or other electronic device, the individual's fingers must simultaneously provide both the function of support and touch screen or key activation. Typically, such devices have borrowed from the desktop, i.e. mouse and keyboard driven, metaphor by utilizing drop down menus. Commonly, these drop down menus are located at the top of the screen. This results in a very non ergonomic arrangement for a handheld device.

SUMMARY

Additional features and advantages of the disclosure will be set forth in the description which follows, and in part will be obvious from the description, or can be learned by practice of the herein disclosed principles. The features and advantages of the disclosure can be realized and obtained by means of the instruments and combinations particularly pointed out in the appended claims. These and other features of the disclosure will become more fully apparent from the following description and appended claims, or can be learned by the practice of the principles set forth herein.

Mobile communication device interfaces can be far more intuitive for their specific use cases than the traditional keyboard and mouse driven window and desktop based metaphor. A communications device interface can clearly show call connections, conferences, sidebars, parties, lines to be disconnected and the like. Further a graphical call connection metaphor can be agnostic to the type of touch screen device and can be agnostic to systems that are handling the calls, e.g., the user does not need to know what the system must do to implement user-entered commands.

Disclosed are systems, methods, and non-transitory computer-readable storage media for displaying a user interface for managing communication sessions on a communications device. The system displays, on a first side portion of the user interface, a first set of user-configurable communication information and displays, on a second side portion of the user interface, a second set of user-configurable communication information. The communications device can receive user input via a touch sensitive display via skin contact and/or a stylus, for example. The device can also receive other inputs such as gestures, keyboard input, mouse input, and so forth. The first set of user-configurable communication information and the second set of user-configurable communication information can each be, for example, contact information, schedule information, current communication session information, applications, and/or other multimedia communication features. Contact information can include a name, phone number, email address, instant messaging address, social media link, an image, presence information, relationship information, business information, personal notes, and other communication links. The system can display the contact information based on at least one of alphabetical order and frequency of use. The frequency of use can be based further on at least one of topic, project, and recency of use. In one embodiment, a level of trust between a user and a particular contact restricts which pieces of contact information are displayed for the particular contact. Contacts can be organized in the fan of contacts into expandable groups. The side portions of the user interface can be, for example, on the left side and right side of the device screen. The fans can include an index associated with the first set of user-configurable communication information, such as an alphabetical index to quickly jump to a particular set of information.

The system **100** displays, on a center portion of the user interface, a communication work space including an active spotlight region. The work space can display at least one current communication session. The interface can also include controls and settings based on the at least one current communication session. In one aspect, the system further receives user input to toggle from an active communication session from a first current communication session to a second communication session, sets the second communication session as the active communication session, and updates the communication work space to reflect the active communication session. The specific user interface, system architecture, and method examples provided below are illustrative and can be implemented in different ways without departing from the spirit and scope of the disclosure.

BRIEF DESCRIPTION OF THE DRAWINGS

In order to describe the manner in which the above-recited and other advantages and features of the disclosure can be obtained, a more particular description of the principles briefly described above will be rendered by reference to specific embodiments thereof which are illustrated in the appended drawings. Understanding that these drawings

depict only exemplary embodiments of the disclosure and are not therefore to be considered to be limiting of its scope, the principles herein are described and explained with additional specificity and detail through the use of the accompanying drawings in which:

FIG. 1 illustrates an example system embodiment;
 FIG. 2 illustrates a first example user interface;
 FIG. 3 illustrates a second example user interface;
 FIG. 4 illustrates a third example user interface;
 FIG. 5 illustrates a fourth example user interface;
 FIG. 6 illustrates a fifth example user interface;
 FIG. 7 illustrates a sixth example user interface;
 FIG. 8 illustrates an example communications infrastructure; and
 FIG. 9 illustrates an example method embodiment.

DETAILED DESCRIPTION

Various embodiments of the disclosure are discussed in detail below. While specific implementations are discussed, it should be understood that this is done for illustration purposes only. A person skilled in the relevant art will recognize that other components and configurations may be used without parting from the spirit and scope of the disclosure.

The present disclosure addresses the need in the art for improved user interfaces for managing communications. A system, method and non-transitory computer-readable media are disclosed for displaying a user interface for managing communication sessions on a communications device. A brief introductory description of a basic general purpose system or computing device in FIG. 1 which can be employed to practice the concepts is disclosed herein. A more detailed description of methods and graphical interfaces will then follow. These variations shall be discussed herein as the various embodiments are set forth. The disclosure now turns to FIG. 1.

With reference to FIG. 1, an exemplary system 100 includes a general-purpose computing device 100, including a processing unit (CPU or processor) 120 and a system bus 110 that couples various system components including the system memory 130 such as read only memory (ROM) 140 and random access memory (RAM) 150 to the processor 120. The system 100 can include a cache of high speed memory connected directly with, in close proximity to, or integrated as part of the processor 120. The system 100 copies data from the memory 130 and/or the storage device 160 to the cache for quick access by the processor 120. In this way, the cache provides a performance boost that avoids processor 120 delays while waiting for data. These and other modules can control or be configured to control the processor 120 to perform various actions. Other system memory 130 may be available for use as well. The memory 130 can include multiple different types of memory with different performance characteristics. It can be appreciated that the disclosure may operate on a computing device 100 with more than one processor 120 or on a group or cluster of computing devices networked together to provide greater processing capability. The processor 120 can include any general purpose processor and a hardware module or software module, such as module 1 162, module 2 164, and module 3 166 stored in storage device 160, configured to control the processor 120 as well as a special-purpose processor where software instructions are incorporated into the actual processor design. The processor 120 may essentially be a completely self-contained computing system, containing multiple cores or processors, a bus, memory controller, cache, etc. A multi-core processor may be symmetric or asymmetric.

The system bus 110 may be any of several types of bus structures including a memory bus or memory controller, a peripheral bus, and a local bus using any of a variety of bus architectures. A basic input/output (BIOS) stored in ROM 140 or the like, may provide the basic routine that helps to transfer information between elements within the computing device 100, such as during start-up. The computing device 100 further includes storage devices 160 such as a hard disk drive, a magnetic disk drive, an optical disk drive, tape drive or the like. The storage device 160 can include software modules 162, 164, 166 for controlling the processor 120. Other hardware or software modules are contemplated. The storage device 160 is connected to the system bus 110 by a drive interface. The drives and the associated computer readable storage media provide nonvolatile storage of computer readable instructions, data structures, program modules and other data for the computing device 100. In one aspect, a hardware module that performs a particular function includes the software component stored in a non-transitory computer-readable medium in connection with the necessary hardware components, such as the processor 120, bus 110, display 170, and so forth, to carry out the function. The basic components are known to those of skill in the art and appropriate variations are contemplated depending on the type of device, such as whether the device 100 is a small, handheld computing device, a desktop computer, or a computer server.

Although the exemplary embodiment described herein employs the hard disk 160, it should be appreciated by those skilled in the art that other types of computer readable media which can store data that are accessible by a computer, such as magnetic cassettes, flash memory cards, digital versatile disks, cartridges, random access memories (RAMs) 150, read only memory (ROM) 140, a cable or wireless signal containing a bit stream and the like, may also be used in the exemplary operating environment. Non-transitory computer-readable storage media expressly exclude media such as energy, carrier signals, electromagnetic waves, and signals per se.

To enable user interaction with the computing device 100, an input device 190 represents any number of input mechanisms, such as a microphone for speech, a touch-sensitive screen for gesture or graphical input, keyboard, mouse, motion input, speech and so forth. An output device 170 can also be one or more of a number of output mechanisms known to those of skill in the art. In some instances, multimodal systems enable a user to provide multiple types of input to communicate with the computing device 100. The communications interface 180 generally governs and manages the user input and system output. There is no restriction on operating on any particular hardware arrangement and therefore the basic features here may easily be substituted for improved hardware or firmware arrangements as they are developed.

For clarity of explanation, the illustrative system embodiment is presented as including individual functional blocks including functional blocks labeled as a "processor" or processor 120. The functions these blocks represent may be provided through the use of either shared or dedicated hardware, including, but not limited to, hardware capable of executing software and hardware, such as a processor 120, that is purpose-built to operate as an equivalent to software executing on a general purpose processor. For example the functions of one or more processors presented in FIG. 1 may be provided by a single shared processor or multiple processors. (Use of the term "processor" should not be construed to refer exclusively to hardware capable of executing software.) Illustrative embodiments may include microprocessor and/or digital signal processor (DSP) hardware, read-only memory (ROM) 140 for storing software performing the operations

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discussed below, and random access memory (RAM) 150 for storing results. Very large scale integration (VLSI) hardware embodiments, as well as custom VLSI circuitry in combination with a general purpose DSP circuit, may also be provided.

The logical operations of the various embodiments are implemented as: (1) a sequence of computer implemented steps, operations, or procedures running on a programmable circuit within a general use computer, (2) a sequence of computer implemented steps, operations, or procedures running on a specific-use programmable circuit; and/or (3) interconnected machine modules or program engines within the programmable circuits. The system 100 shown in FIG. 1 can practice all or part of the recited methods, can be a part of the recited systems, and/or can operate according to instructions in the recited non-transitory computer-readable storage media. Such logical operations can be implemented as modules configured to control the processor 120 to perform particular functions according to the programming of the module. For example, FIG. 1 illustrates three modules Mod1 162, Mod2 164 and Mod3 166 which are modules configured to control the processor 120. These modules may be stored on the storage device 160 and loaded into RAM 150 or memory 130 at runtime or may be stored as would be known in the art in other computer-readable memory locations.

Having disclosed some basic computing system components, the disclosure turns to the first example user interface 200 illustrated in FIG. 2. This interface shows a first side portion 202, a second side portion 204, and a center portion 206. The first side portion 202 shows a scrollable, user-selectable and user-modifiable list of calendar events. The second side portion 204 shows a user-selectable, user-modifiable, scrollable fan list of contacts. In one aspect, the system provides defaults such as calendar information in the left fan and contact information in the right fan, but the user can establish personalized settings that deviate from the system defaults. The center portion 206 shows a graphical representation of one or more communication sessions, such as a telephone call, video conference, or instant messaging session. Each communication session can include one or more other user and one or more communication modality. In this example, the user interface represents each communication session using a spotlight metaphor. The spotlight shows which users are participating in the communication session. The interface 200 can include multiple spotlights for different concurrent communications sessions. However, the interface 200 features the active communication session as a spotlight is in the forefront of the interface. An active communication session is one in which the user is currently participating. For example, the user is speaking with his sister via telephone as an active communication session. If the user receives an instant message, the spotlight representing the telephone conversation swivels to a rear position in the interface to make room for the incoming instant messaging session, which is featured as the new active spotlight. In this example, user and/or system preferences can dictate whether or not the user is still talking on the telephone with his sister. The active spotlight indicates which communication session is the current target of user actions and input via the interface, and not necessarily in which communication session the user is communicating exclusively. The user can communicate via multiple communication sessions simultaneously. The active spotlight can be larger, rotated into a central position, brighter, a different illumination color, or so forth, than the non-active spotlight(s). The user interface can animate spotlight transitions from active to non-active and vice versa.

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This exemplary user interface 200 arranges important functions along the left and right edges of the display/touch screen such that while the user is holding the device that they can use their thumbs to view, select and actuate the controls without changing their grip.

When a user has a typical PC in use, windows open as applications over a desktop. Users must not only manage work within the window contents, the user must also manage the windows and the window layouts themselves by selectively minimizing and maximizing applications to prevent the screen from becoming too busy and cluttered. This interface draws the user's attention to an application, a communication session, or other collaborative materials such as documents or other resources using a different metaphor than the typical window presentation

FIG. 3 illustrates a second, slightly more detailed example user interface 300. This interface 300 also includes a first side portion 302, a second side portion 304, and a center workspace 306 having a spotlight. The first side portion 302 in this example is a list of calendar events. The user can click, drag, flick, and/or scroll through a short fan list 310 of calendar events. A user can click on a calendar event to edit the event or view additional details. Further, the first side portion 302 can include an index 308 sorted by date, for example, so the user can quickly jump to other portions of the calendar to view different events. The first side portion 302 can also include a menu bar 312 for manipulating existing calendar events or for adding new calendar events. The user can also select the type of information displayed in the first side portion 302. A fan selection menu 314 allows the user to select a different type of information to display in the first side portion 302. For example, the user can select, via the fan selection menu 314, to display applications, contacts, or memos in place of calendar events.

The fan of calendar events 310, or scheduler, can contain information such as event, location, people involved, contact information, building maps, street maps, persistent communications sessions, current documents associated with recurring meetings, and other similar or relevant information. The scheduler can present information that the user may need for participating in or providing input to a scheduled meeting. In place of the scheduler or calendar fan, the system can display a set of sequenced applications such as a meeting preparation application, a communications session disconnect application, an urgent communications escalation application, or other applications.

Similarly, the user can select, via another fan selection menu 316, what data to display in the fan in the second side portion 304. In either fan of data, a center item (or other item in the fan) can be enlarged 318 to show additional details. In the case of an enlarged or expanded contact 318, the additional details can include availability 318a, 318b, 318c, based on the contact's presence information, for different communication modalities such as telephone, video conference, email, instant messaging, and text messaging. Further, the fan can include placeholders representing groups of contacts. When the user selects an icon or other representation of a group, the system can replace the existing fan with a new fan of the selected group, or the system can add a concentric or parallel fan to the inner or outer edge of the existing fan. A hierarchy of nested groups can generate a set of concentric fans or circles. The concentric fans or circles can partially overlap each other, can touch, or can be spaced apart. When the system displays a list of groups in the fan, the interface can highlight the group selected for display in the same way the center contact is highlighted. The system can display the channel icons on the left of the card for the group in the same

way as an individual contact. In the group case, however, the presence indication can indicate the activity of the group. If one group member is using his/her phone, the phone icon will be yellow. If all group members are on line and available for an IM conference, the IM indicator for the group can be green.

Contact information can be listed such as home, work, or mobile phone numbers, email, IM, social media, and/or other types of communication links as needed to fully encompass the methods of contacting a specific party. In one aspect, the contact can be persona based, such as displaying a different photo based on work or home or based on a particular mode or medium of communication. The view of the contact can be contextual based on a particular topic of conversation or based on a relationship between the contact and the user. The expanded contact view can include photos, avatars, videos, social networking information, and other such depictions and information. The interface **300** can present contacts hierarchically, such as a listing of the person followed by home, work and other such variations, each with appropriate contact information or it can be displayed as a flat listing as selected or appropriate. The system can present contacts alphabetically, by queued frequency of use, by topic, by project, and/or the system can dynamically rearrange contacts between several combinations thereof. The level of trust between the parties can set limits with regard to the type and variety of icons and other personal information that is available for a single party. The icons can be static in some cases where the level of trust or some other factor makes fetching current updates impractical or impossible, or the icons can be dynamic and indicate the presence, context, persona, schedule, and/or other such factors of the party that one desires to communicate with. The system can present context and persona in the user interface locally or remotely based on this trust relationship with the other party or locally provided when such a trust relationship does not exist, e.g, the information may be pushed, pulled or stored locally. The users can select the appropriate contact icon to indicate which type of communication to initiate, for example.

The system can also display other contextual information next to the selected items in the fan. The system can display prior conversations with that contact, a map indicating where the contact works, common joint social network friends, and common interests, family notes such as birthdays or anniversaries, and so forth. The contact manager can be fully integrated with both telecommunications and computing functions and can be fed by a complex contact discovery mashup to add contacts to fully populate the equivalent of a vCard. In this way, not only does the user interface allow easy to use multimedia and multimodal communications, the interface also varies dynamically based on at least one participant or contact, such as a calling party and a called party.

Another element of the user interface is the spotlight in the center workspace **306**. The interface uses the spotlight metaphor to add an application to a communication session. The application can be pushed from a local PC, pulled from an enterprise server, a cloud-based server, or requested as a resource from a licensing server or multi-media conferencing server. This spotlight and stage can be a simple two-party communications session in one communication modality or it can be a complex multi-party session in multiple communication modalities. The depiction of the session can simply be two icons or can be an arrangement of icons connected by shapes or otherwise grouped to show co-located and/or remotely located persons. The spotlight portion can show sidebars, alternate contact media/modes, and/or other information. After a session is launched, the interface **300** can show a media menu **332** containing controls appropriate to

the media such as mute, ASR with scroll of text representing audio, or other such information for a voice call. Similarly, the interface can display other control information for alternate media and can display, for example, elapsed communication time, time remaining before another session is scheduled to begin, or the like. Below the center stage can be specific communications modes and media that can be used as described above. The system can also provide a search capability to easily add other parties to the communications session. Multiple parallel communications sessions can be launched and depicted via multiple spotlights. Each such spotlight can have any or all of the features provided above. The display can represent incoming calls or other communications sessions similarly. Further, any application can be launched either as a part of a communication session or independent of a communication session using the fan structure, and the spotlight metaphor.

Users can access messages with a rich feature set using the same center stage and spotlight paradigm. In order to switch between different activities and appropriately draw the user's gaze, the spotlights can rotate as if they were rotating on a theater stage. This interface allows for rotating between sessions and changes of spotlight, rapid toggling between SIP sessions, Google Waves, or other similar sessions. The user can make transitions more quickly and join multiple sessions together and split them apart. A user rotate gesture can manage the stage/spotlight and thereby rapidly switch between sessions. The same metaphor can be used to manage or toggle between applications, documents and other materials related to communication sessions.

This interface can include options to create and manipulate group communication sessions. A user assembles her conference roster and then the system recommends a communication channel to use for the conversation based on the availability of different communication channels for each potential participant. For example, if the user assemble 5 people for a communication and 2 people are already using their phones, the system can recommend an IM communication session. A similar metaphor applies for a group communication.

Further, the interface **300** can include a notification bar **320** for providing information as notifications which do not interrupt the current communication session in the spotlight **306** and which do not require additional interaction from the user. The notification bar **320** can include dedicated sections for different types of notifications, but the notification bar **320** can flexibly display notifications in any fixed or dynamic arrangement. The notification bar **320** can display multimedia images, animations, sound, vibrations, and so forth to provide alerts **322**, date and time **324**, reminders **326**, a current status **328**, and a current presence **330**. The alerts **322** can include a number of pending or missed communications or communication attempts. For example, the system can show unread emails, unanswered instant messages, and missed telephone calls. The system can show reminders **326** of the next upcoming calendar event and some or all of the critical information associated with the upcoming calendar event, such as the title, time, date, reminder notes, and a countdown of how much time until the event is scheduled to occur, and so forth. The current status **328** and the presence **330** can show, for example, which communication modalities the user has available, a current status message, and so forth. The user can manipulate these settings by clicking on or tapping on the status notification area **328** or the present notification area **330**.

The notification bar **320** can display temporal factors such as date, day, time, messages grouped by type (such as voice

messages, email, IM, etc.), the user's current presence status, and/or conditional presence, a "what's up" view depicting the next scheduled activity in detail as an alternative to pop-ups. In other embodiments, the notification bar **320** can also include access to an office door communicator, video feed monitoring of an office environment, or other applications, media, or resources. The notification bar **320** can be at the top or bottom of the display or at some other location and can also show multiple line or link appearances, boss-assistant relationships, and other such information.

When a user receives an IM or email or has a meeting alert brought to their attention, it is typically done via a screen pop. The notification bar **320** provides a persistent, dedicated, space to present a "what's up" view of important information rather than have a randomly placed pop up driven by the application in question. This graphical metaphor shows rich connectivity information where the user can simultaneously add applications via the presentation metaphor. This approach differentiates session components from application components using the same graphical metaphor and selection/activation means for both.

At a high level, this interface for a mobile device with a touch screen combines contact information, schedule information, current communications information, and/or other critical multimedia or multimodal communications features into a single easy to use interface. Further, the key access and control mechanisms are arranged near the left and right hand sides of the display/touch screen. A combination of drop-down preselectors to determine the contents of the left and right fans and the fans are used to locate, view and actuate contacts, schedules, applications, and other collaboration materials. A fan is a graphical user interface element based on a Rolodex metaphor so a user can flip or scroll through the fan to browse to a particular contact. The user can manipulate the fan by clicking and dragging, flicking, tapping holding and dragging, tapping a scroll up or down button, and so forth. In another aspect, the fan can be thought of not as a Rolodex, but as the outer edge of a wheel with its center offscreen, so the user can rotate the wheel up and down to view different portions of the information stored on the wheel. In any case, the user interface can animate a scrolling motion as the user navigates through the contacts or other information presented in the fan. In one aspect, the size, position, shape, and/or responsiveness of the fan are designed based on an expected position and arc of a user's thumb while holding the device displaying the user interface. The curved, arcing gesture of a thumb on the touchscreen can control access to the fan or wheel.

FIG. 4 illustrates a third example user interface **400**. In this example, the events fan **402** and the contacts fan **406** are minimized to an abbreviated view. The center region **404** includes a spotlight **408** representing a current communication session. The spotlight **408** includes one or more participant cards **410**. Further, the interface **400** shows an expanded call control menu **412** for manipulating the spotlight **408** or participants associated with the communication session represented by the spotlight **408**.

FIG. 5 illustrates a fourth example user interface **500**. In this example, the left region **502** and the right region **506** are normal size, and the center region **504** shows a video conference window in place of a spotlight. The video conference window includes a view of the other user in the video conference **508** and a smaller view of the user **510**. The interface can present the video conference view in different ways as well. For example, in a four way video conference, each participant's video can be the same size instead of the large/small approach shown in FIG. 5. In one aspect, the interface **500** can

include a button or other interface element to allow the user to toggle between a full screen mode and a non-full screen mode.

FIG. 6 illustrates a fifth example user interface **600** for displaying contextual people and information. In this interface, the calendar fan **602** is minimized and the contacts fan **606** is not minimized. The center area **604** shows a spotlight that does not have a current communication session, but is ready to accept or initiate a communication session. In this example, the user has navigated to the contact Jen Edwards and clicked or tapped on her entry for additional information. The system displays a contextual information popup **610** including information such as her address, social network, stored files, previous conversations with the user, and so forth. The popup **610** can include additional tabs **612** for categorizing additional information. The user can manipulate the information and/or the sources of information in the popup **610**.

FIG. 7 illustrates a sixth example user interface **700**. In this interface, the calendar fan **702** is expanded and the contacts fan **706** is minimized. The user can select or open two calendar events from the calendar fan **702**. The interface **700** displays the calendar events **708**, **710** side by side in the center region **704** for the user to manipulate. The user can transfer individual elements of one calendar event to another. The user can edit details of each calendar event and delete calendar events.

FIG. 8 illustrates an example communications infrastructure **800**. In this example, a user **802** communicates via a mobile or portable communications device **804** with other users **810**, **812** in a communication session. The communications device **804** can include a local database **806** for storage. The different users' devices can communicate one with another via a communications network **808** that can be a wired and/or wireless network, such as the Internet or other suitable telecommunications network. In one aspect, one of the user devices acts as a server for running the communication session. In another aspect, a communications server **814** with a network based database **816** manages the communication session. When the user device **804** generates the user interface, the device can pull data, such as contact information, presence information, images, documents, and other resources, from one or more of the local database **806**, the network database **816**, or databases at other users' locations.

Having disclosed some basic system components, the disclosure now turns to the exemplary method embodiment shown in FIG. 9. For the sake of clarity, the method is discussed in terms of an exemplary system **100** as shown in FIG. 1 configured to display a user interface for managing communication sessions on a communications device. The system **100** displays, on a first side portion of the user interface, a first set of user-configurable communication information (**902**) and displays, on a second side portion of the user interface, a second set of user-configurable communication information (**904**). The communications device can receive user input via a touch sensitive display via skin contact and/or a stylus, for example. The device can also receive other inputs such as gestures, keyboard input, mouse input, and so forth. The first set of user-configurable communication information and the second set of user-configurable communication information can each be, for example, contact information, schedule information, current communication session information, applications, and/or other multimedia communication features. Contact information can include a name, phone number, email address, instant messaging address, social media link, an image, presence information, relationship information, business information, personal notes, and other communication links. The system **100** can display the contact infor-

information based on at least one of alphabetical order and frequency of use. The frequency of use can be based further on at least one of topic, project, and recency of use. In one embodiment, a level of trust between a user and a particular contact restricts which pieces of contact information are displayed for the particular contact. Contacts can be organized in the fan of contacts into expandable groups. The side portions of the user interface can be, for example, on the left side and right side of the device screen. The fans can include an index associated with the first set of user-configurable communication information, such as an alphabetical index to quickly jump to a particular set of information.

The system 100 displays, on a center portion of the user interface, a communication work space including an active spotlight region (906). The work space can display at least one current communication session. The interface can also include controls and settings based on the at least one current communication session. In one aspect, the system 100 further receives user input to toggle from an active communication session from a first current communication session to a second communication session, sets the second communication session as the active communication session, and updates the communication work space to reflect the active communication session. The specific examples are illustrative and can be implemented in different ways without departing from the spirit and scope of the disclosure.

Embodiments within the scope of the present disclosure may also include tangible and/or non-transitory computer-readable storage media for carrying or having computer-executable instructions or data structures stored thereon. Such non-transitory computer-readable storage media can be any available media that can be accessed by a general purpose or special purpose computer, including the functional design of any special purpose processor as discussed above. By way of example, and not limitation, such non-transitory computer-readable media can include RAM, ROM, EEPROM, CD-ROM or other optical disk storage, magnetic disk storage or other magnetic storage devices, or any other medium which can be used to carry or store desired program code means in the form of computer-executable instructions, data structures, or processor chip design. When information is transferred or provided over a network or another communications connection (either hardwired, wireless, or combination thereof) to a computer, the computer properly views the connection as a computer-readable medium. Thus, any such connection is properly termed a computer-readable medium. Combinations of the above should also be included within the scope of the computer-readable media.

Computer-executable instructions include, for example, instructions and data which cause a general purpose computer, special purpose computer, or special purpose processing device to perform a certain function or group of functions. Computer-executable instructions also include program modules that are executed by computers in stand-alone or network environments. Generally, program modules include routines, programs, components, data structures, objects, and the functions inherent in the design of special-purpose processors, etc. that perform particular tasks or implement particular abstract data types. Computer-executable instructions, associated data structures, and program modules represent examples of the program code means for executing steps of the methods disclosed herein. The particular sequence of such executable instructions or associated data structures represents examples of corresponding acts for implementing the functions described in such steps.

Those of skill in the art will appreciate that other embodiments of the disclosure may be practiced in network comput-

ing environments with many types of computer system configurations, including personal computers, hand-held devices, multi-processor systems, microprocessor-based or programmable consumer electronics, network PCs, mini-computers, mainframe computers, and the like. Embodiments may also be practiced in distributed computing environments where tasks are performed by local and remote processing devices that are linked (either by hardwired links, wireless links, or by a combination thereof) through a communications network. In a distributed computing environment, program modules may be located in both local and remote memory storage devices.

The various embodiments described above are provided by way of illustration only and should not be construed to limit the scope of the disclosure. Those skilled in the art will readily recognize various modifications and changes that may be made to the principles described herein without following the example embodiments and applications illustrated and described herein, and without departing from the spirit and scope of the disclosure.

We claim:

1. A method comprising:

displaying, on a side portion of a user interface for a first user, a fan comprising a plurality of graphical user interface elements that are scrollable by the first user, wherein an active graphical user interface element of the plurality of graphical user interface elements displays communication information associated with a second user different from the first user, and wherein inactive graphical user interface elements of the plurality of graphical user interface elements display truncated communication information; and

displaying, on the user interface, an active spotlight region that depicts, by using a visual metaphor that resembles a spotlight, an active communication session that the first user is currently participating in, the active spotlight region featuring graphical elements representing participants associated with the active communication session.

2. The method of claim 1, wherein the user interface is associated with a communications device, and wherein the communications device receives user input via a touch sensitive display.

3. The method of claim 1, wherein the communication information comprises one of contact information, schedule information, current communication session information, applications, and other multimedia communication features.

4. The method of claim 1, wherein the communication information comprises one of a name, a phone number, an email address, an instant messaging address, a social media link, an image, presence information, relationship information, business information, a personal note, and a communication link.

5. The method of claim 1, wherein the communication information is presented based on one of alphabetical order and a frequency of use.

6. The method of claim 5, wherein the frequency of use is based on one of topic, project, and a recency of use.

7. The method of claim 3, wherein a trust level between the first user and a particular contact restricts which pieces of contact information are displayed for the particular contact.

8. The method of claim 3, wherein part of the contact information is organized into an expandable group.

9. The method of claim 1, wherein the side portion is a first side portion, wherein the fan is a first fan, and wherein the plurality of graphical user interface elements is a first plurality of graphical user interface elements, the method further comprising displaying, on a second side portion of the user

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interface, a second fan comprising a second plurality of graphical user interface elements that are scrollable by the first user.

10. The method of claim 1, wherein the fan allows the first user to navigate through each graphical user interface element by one of flipping and scrolling through the plurality of graphical user interface elements. 5

11. The method of claim 10, further comprising: receiving from a user a touch input directed to the fan; and scrolling the based on the touch input. 10

12. The method of claim 1, wherein a detail of the communication information is displayed in the communication work space when the first user interacts with the active graphical user interface element.

13. The method of claim 12, further comprising displaying one of a control and a setting, based on the current communication session. 15

14. The method of claim 12, further comprising: receiving user input to toggle the active communication session from a first current communication session to a second communication session; setting the second communication session as the active communication session; and updating the active spotlight region to reflect a status of the active communication session. 25

15. The method of claim 1, further comprising displaying on the side portion an index associated with the fan.

16. The method of claim 1, further comprising displaying a notification bar on the user interface.

17. The method of claim 16, wherein the notification bar comprises one of an alert, a time, a date, a reminder, a current user status, a current user presence. 30

18. The method of claim 1, further comprising displaying a media menu of a communication modality.

19. A system comprising: a processor; a display; and a computer-readable storage medium storing instructions which, when executed by the processor, cause the processor to perform operations comprising: 35

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displaying, on a side portion of the display used by a first user, a fan comprising a plurality of graphical user interface elements that are scrollable by the first user, wherein an active graphical user interface element of the plurality of graphical user interface elements displays communication information associated with a second user different from the first user, and wherein inactive graphical user interface elements of the plurality of graphical user interface elements display truncated communication information;

displaying, on the display, an active spotlight region that depicts, by using a visual metaphor that resembles a spotlight, an active communication session that the first user is currently participating in, the active spotlight region featuring graphical elements representing participants associated with the active communication session.

20. A computer-readable storage device storing instructions which, when executed by a processor, cause the processor to perform operations comprising:

displaying, on a side portion of the user interface for a first user, a fan comprising a plurality of graphical user interface elements that are scrollable by the first user, wherein an active graphical user interface element of the plurality of graphical user interface elements displays communication information associated with a second user different from the first user, and wherein inactive graphical user interface elements of the plurality of graphical user interface elements display truncated communication information; and

displaying, on the user interface, an active spotlight region that depicts, by using a visual metaphor that resembles a spotlight, an active communication session that the first user is currently participating in, the active spotlight region featuring graphical elements representing participants associated with the active communication session.

* * * * *

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 9,158,444 B2
APPLICATION NO. : 12/978884
DATED : October 13, 2015
INVENTOR(S) : David G. Boyer

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

IN THE CLAIMS

Column 13,

Line 10, replace “scrolling the based on the touch input” with --scrolling the fan based on the touch input--

Line 32, replace “user status, a current user presence.” with --user status, or a current user presence.--

Column 14,

Line 23, replace “displaying, on a side portion of the user interface for a first” with --displaying, on a side portion of a user interface for a first--

Signed and Sealed this
Fifteenth Day of March, 2016



Michelle K. Lee

Director of the United States Patent and Trademark Office