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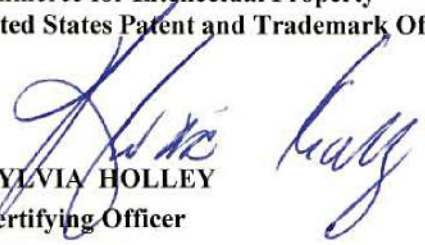
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**U.S. PATENT: 10,142,810
ISSUE DATE: November 27, 2018**

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US010142810B2

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

(10) **Patent No.:** **US 10,142,810 B2**
(45) **Date of Patent:** ***Nov. 27, 2018**

(54) **METHOD AND APPARATUS TO MANAGE DIFFERENT OPTIONS OF COMMUNICATION USING ONE USER IDENTIFIER BASED ON INTERNET PROTOCOL**

(58) **Field of Classification Search**
CPC H04W 76/02; H04W 88/184; H04M 1/72552; H04M 3/42059
(Continued)

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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This patent is subject to a terminal disclaimer.

Notice of Allowance for U.S. Appl. No. 12/798,995 dated Sep. 29, 2011.

(Continued)

(21) Appl. No.: **15/469,440**

(22) Filed: **Mar. 24, 2017**

Primary Examiner — Kiet M Doan

(65) **Prior Publication Data**

(57) **ABSTRACT**

US 2017/0201872 A1 Jul. 13, 2017

Computer-implemented systems and methods to manage electronic communications are disclosed. In one embodiment, an apparatus, using at least a network-based portal based on Internet protocol, receives a message with a user identifier from a person's wireless device; receives a communication option from the person based on options provided to the person, with all the options using the user identifier, in view of the portal being based on the Internet protocol; permits the user to block the person from accessing the user; enables the message to be received by the user if the person is not blocked by the user; and determines user availability to receive the message. In the embodiment, the apparatus requires user contact information for the user to receive messages, with the user contact information not provided to the person, and with the user contact information being distinct from the user identifier.

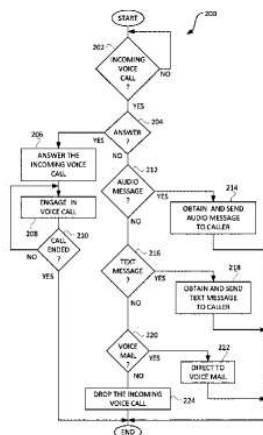
Related U.S. Application Data

(63) Continuation of application No. 14/922,344, filed on Oct. 26, 2015, now Pat. No. 9,736,664, which is a (Continued)

(51) **Int. Cl.**
H04M 3/42 (2006.01)
H04W 4/14 (2009.01)
(Continued)

(52) **U.S. Cl.**
CPC **H04W 4/14** (2013.01); **G06Q 10/10** (2013.01); **H04M 3/436** (2013.01);
(Continued)

20 Claims, 9 Drawing Sheets



Related U.S. Application Data

continuation of application No. 14/272,632, filed on May 8, 2014, now Pat. No. 9,204,268, which is a continuation of application No. 12/798,995, filed on Apr. 14, 2010, now Pat. No. 8,744,407, which is a continuation of application No. 11/452,115, filed on Jun. 12, 2006, now Pat. No. 7,759,688, which is a continuation-in-part of application No. 11/006,343, filed on Dec. 7, 2004, now Pat. No. 7,116,976.

(60) Provisional application No. 60/527,565, filed on Dec. 8, 2003, provisional application No. 60/689,686, filed on Jun. 10, 2005.

(51) **Int. Cl.**
G06Q 10/10 (2012.01)
H04M 3/436 (2006.01)
H04W 4/16 (2009.01)
H04W 4/12 (2009.01)

(52) **U.S. Cl.**
 CPC *H04M 3/4365* (2013.01); *H04W 4/12* (2013.01); *H04W 4/16* (2013.01); *H04M 2201/60* (2013.01); *H04M 2203/2011* (2013.01); *H04M 2203/651* (2013.01); *H04M 2207/18* (2013.01)

(58) **Field of Classification Search**
 USPC ... 455/466, 456.1, 414.1, 557, 426.1, 435.1, 455/424, 455, 423, 39, 417; 379/88.04, 379/268, 88.25, 210.01; 340/7.22, 7.42; 709/206, 247; 704/235
 See application file for complete search history.

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| ICM | | Default |
|-----|--|------------|
| 1 | Mobile phone | Voice mail |
| 2 | Office phone | Voice mail |
| 3 | Home phone | Voice mail |
| 4 | Mobile SMS/pager from mobile phone or PDA | Email |
| 5 | Home/office SMS (to office/home PC) | Email |
| 6 | Mobile Online chat (to mobile phone or PDA) | Voice mail |
| 7 | Home Online chat (Net Meeting, AOL, ICQ etc.) | Voice mail |
| 8 | Voice mail with instant notification to mobile devices of the user | |
| 9 | Voice mail without notification to mobile devices | |
| 10 | Office fax | |
| 11 | Home fax | Reject |
| 12 | Mobile Email (Blackberry etc.) | Email |
| 13 | Email | Reject |
| 14 | User defined | |

FIGURE 1

| | |
|----------------|-----------------------------------|
| ContactClass1 | Kinship family members, love ones |
| ContactClass2 | Relatives and friends |
| ContactClass3 | Boss and VIP |
| ContactClass4 | Colleagues |
| ContactClass5 | Subordinates |
| ContactClass6 | Business acquaintances |
| ContactClass7 | VIP Clients |
| ContactClass8 | Clients |
| ContactClass9 | Secretary |
| ContactClass10 | User defined |

FIGURE 2

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