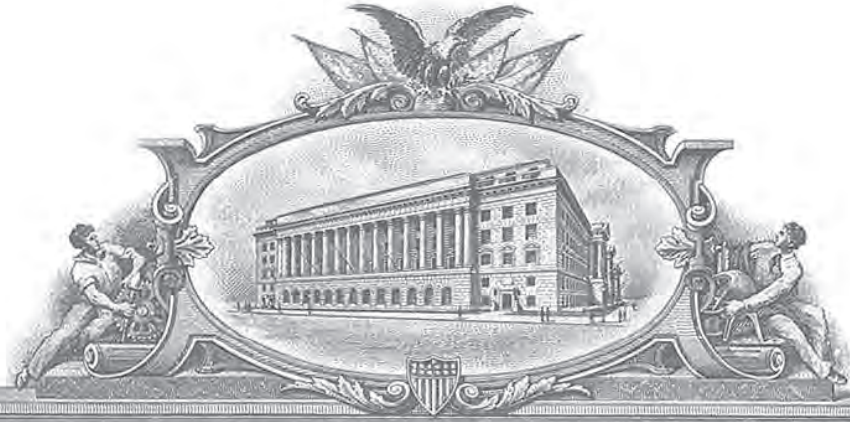


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| | | |
|---|------------------------|---|
| UTILITY PATENT APPLICATION TRANSMITTAL <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i> | Attorney Docket No. | IPVMCP02C3 |
| | First Named Inventor | CHEUNG et al. |
| | Title | SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATI |
| | Express Mail Label No. | |

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| APPLICATION ELEMENTS <i>See MPEP chapter 600 concerning utility patent application contents.</i> | ADDRESS TO: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 |
|--|--|

1. **Fee Transmittal Form**
(PTO/SB/17 or equivalent)
2. **Applicant asserts small entity status.**
See 37 CFR 1.27
3. **Applicant certifies micro entity status.** See 37 CFR 1.29.
Applicant must attach form PTO/SB/15A or B or equivalent.
4. **Specification** [Total Pages 23]
Both the claims and abstract must start on a new page.
(See MPEP § 608.01(a) for information on the preferred arrangement)
5. **Drawing(s)** (35 U.S.C. 113) [Total Sheets 4]
6. **Inventor's Oath or Declaration** [Total Pages 3]
(including substitute statements under 37 CFR 1.64 and assignments serving as an oath or declaration under 37 CFR 1.63(e))
 - a. Newly executed (original or copy)
 - b. A copy from a prior application (37 CFR 1.63(d))
7. **Application Data Sheet** * See note below.
See 37 CFR 1.76 (PTO/AIA/14 or equivalent)
8. **CD-ROM or CD-R**
In duplicate, large table, or Computer Program (Appendix)
 - Landscape Table on CD
9. **Nucleotide and/or Amino Acid Sequence Submission**
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 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
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 - ii. Paper
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ACCOMPANYING APPLICATION PAPERS

10. **Assignment Papers**
(cover sheet & document(s))
Name of Assignee _____
11. **37 CFR 3.73(c) Statement** **Power of Attorney**
(when there is an assignee)
12. **English Translation Document**
(if applicable)
13. **Information Disclosure Statement**
(PTO/SB/08 or PTO-1449)
 Copies of citations attached
14. **Preliminary Amendment**
15. **Return Receipt Postcard**
(MPEP § 503) (Should be specifically itemized)
16. **Certified Copy of Priority Document(s)**
(if foreign priority is claimed)
17. **Nonpublication Request**
Under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or equivalent.
18. **Other:** _____

*Note: (1) Benefit claims under 37 CFR 1.78 and foreign priority claims under 1.55 must be included in an Application Data Sheet (ADS).
 (2) For applications filed under 35 U.S.C. 111, the application must contain an ADS specifying the applicant if the applicant is an assignee, person to whom the inventor is under an obligation to assign, or person who otherwise shows sufficient proprietary interest in the matter. See 37 CFR 1.46(b).

19. CORRESPONDENCE ADDRESS

The address associated with Customer Number: 34071 OR Correspondence address below

| | | | |
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| Name | | Address | |
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| | | | |
|-------------------|-----------------|-----------------------------------|------------------|
| Signature | /Peter P. Tong/ | Date | October 26, 2015 |
| Name (Print/Type) | Peter P. Tong | Registration No. (Attorney/Agent) | 35757 |

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete. Including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application is a continuation of U.S. Patent Application No. 14/272,632, filed May 8, 2014, and entitled "SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION," which is hereby incorporated by reference, which application is a continuation of U.S. Patent Application No. 12/798,995, filed April 14, 2010, now U.S. Patent No. 8,744,407, and entitled "SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION," which is hereby incorporated herein by reference, which application is a continuation of U.S. Patent Application 11/452,115, filed June 12, 2006, now U.S. Patent No. 7,729,688, and entitled "SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION", which is hereby incorporated herein by reference, which application is a continuation-in-part application of U.S. Patent Application 11/006,343, filed December 7, 2004, now U.S. Patent No. 7,116,976, and entitled "ADAPTABLE COMMUNICATION TECHNIQUES FOR ELECTRONIC DEVICES," which is hereby incorporated herein by reference, which claims priority to U.S. Provisional Patent Application No. 60/527,565, filed December 8, 2003, entitled "ADAPTABLE COMMUNICATION TECHNIQUES FOR ELECTRONIC DEVICES," and which is hereby incorporated herein by reference.

[0002] This application, by way of U.S. Patent Application No. 11/452,115, also claims priority to U.S. Provisional Patent Application No. 60/689,686, filed June 10, 2005, entitled "SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION," and which is hereby incorporated herein by reference.

BACKGROUND OF THE INVENTION

[0003] For many years, other than mails from post offices, we typically only received information from afar through telephones. However, in the past few years, ways that others can send us information have increased significantly. Just to list a few different modes of communication, we can be reached from standard desk phones, fax, cell phones, electronic mails, and instant messages. In addition, we can have more than one phone number and multiple electronic mail addresses. There are people we like to communicate with, and there are those we prefer to avoid. Managing information from all such different modes can be quite time consuming.

[0004] It should be apparent from the foregoing that there is still a need to help manage the numerous modes of communication.

SUMMARY OF THE INVENTION

[0005] Different embodiments of a computer-implemented system and method to manage the communication of a user are disclosed. A person tries to electronically convey a message to the user. In one embodiment, the status of the user is identified; the identity of the person is identified; the urgency of the message is identified; the access priority of the person is determined based on the person's identity; and a process is set to manage the message using one or more rules, and in view of the status of the user, the access priority of the person and the urgency of the message.

[0006] Based on different embodiments, the status of the user depends on the current activity or location of the user, or the current time. The status of the user can also be defined by the user. Similarly, the access priority of the person can be defined by the user, or is set depending on the user's reaction towards a prior message from the person. Also, the urgency of the message is set by the person.

[0007] The process can depend on the mode of communication of the message. For example, the mode of communication can include a mobile phone, an office phone, a home phone, a mobile SMS, a pager from a mobile phone or PDA, a home/office SMS, mobile online chat, home online chat, a voice mail with/without instant notification, an office fax, a home fax, a mobile email, and an email.

[0008] In one embodiment, the user receives the message through a handheld device, such as a cellular phone. In another embodiment, the message is electronically conveyed based on Internet protocol through a website.

[0009] In one embodiment, though the process allows the user to receive the message, the person is not aware of the contact information of the user. For example, the person is not aware of the phone number of the cellular phone that the user used to talk to the person. This prevents the person from directly accessing the user without going through an intermediate control, such as a website. Similarly, the user does not have to be aware of the contact information of the person.

[00010] In another embodiment, the defined access priority of the person is stored at a website, allowing the website to access such information without asking for the user's permission. In one embodiment, the defined access priority is stored in a private database under the user's control.

[00011] In one embodiment, text messages could be received in an audio manner, and audio messages could be sent as text messages.

[00012] Other aspects and advantages of the present invention will become apparent from the following detailed description, which, when taken in conjunction with the accompanying drawings, illustrates by way of example the principles of the invention.

BRIEF DESCRIPTION OF THE DRAWINGS

[00013] Figure 1 shows a number of intelligent communication modes according to one embodiment of the invention.

[00014] Figure 2 shows a number of contact classes according to one embodiment of the invention.

[00015] Figure 3 shows a number of urgency classes according to one embodiment of the invention.

[00016] Figure 4 shows a number of statuses of a user according to one embodiment of the invention.

[00017] Figure 5 shows one embodiment of an example of an Access Priority Database according to one embodiment of the invention.

[00018] FIG. 6 is a flow diagram of a message presentation process according to one embodiment of the invention.

[00019] FIG. 7 is a flow diagram of a reply message process according to one embodiment of the invention.

[00020] Same numerals in Figures 1-7 are assigned to similar elements in all the figures. Embodiments of the invention are discussed below with reference to Figures 1-7. However, those skilled in the art will readily appreciate that the detailed description given herein with respect to these figures is for explanatory purposes as the invention extends beyond these limited embodiments.

DETAILED DESCRIPTION OF THE INVENTION

[00021] One embodiment of the invention can automatically remove unwanted communications. Certain communications are relatively easy to determine to be unwanted, such as marketing cold calls and wrong number calls. Other communications may be more difficult. They can depend not just on the sources of the communication, but also the conditions or status of the receiver (a user) of the communication. The status can be related to the user's current activity and/or location. For example, when the user is on a train going to work, the user probably does not mind chatting with his grandchild. However, if the user is having his yearly review meeting with his boss, the user probably would prefer to avoid the call from his grandchild, unless it is an emergency. Based on the embodiment, communications from sources the user wants to postpone receiving can be automatically diverted.

[00022] In one embodiment, the user can get appropriate notification on the source of the incoming communication request. The attributes of the notification can depend on the urgency of the communication and/or the status of the user.

[00023] The user may receive information from different modes of communication. For example, the user can have mobile phones, fixed lines at home or office, emails, SMS, and faxes, with their different numbers and/or addresses. One embodiment can help the user efficiently manage information from the different modes. The user only has to remember one specific address from one mode of communication. Through that address, the user can receive communications from all modes of communication, independent of where the user is, or the type of hardware the user has. This allows the user to efficiently maintain his communication from the numerous modes even when he is traveling. For example, the user does not have to change phones (and the phone numbers) when he moves from areas covering 3G to areas that do not.

[00024] A number of embodiments depend on the different modes of communication converging onto the internet protocol platform. A communication gateway or a portal is formed allowing the user to receive communications from numerous sources through different modes. This, in turn, could reduce the

numerous addresses the user has to remember, to one address. For example, an e-mail address for the user can serve as an access identifier for the different communication addresses from different communication modes. The access identifier can become the user's digital identity. In one embodiment, the user's other types of identification, such as the user's driver licenser number, can be the user's access identifier.

[00025] One embodiment of the invention uses an open portal based on the web. Based on the portal, the user can securely determine who can reach him at what conditions. This can be done based on a status indicator. As an example, this indicator is determined according to the status of the user, the access priorities of the person trying to reach the user (or the relationship or the lack of relationship between the user and the person), and/or the urgency of the message from the person. The status of the user can be dynamically determined, based on the current condition(s) of the user. The portal can allow the user and the person to select different options, which can be modified as desired. For example, the relationship can be preset by the user and stored in a database, while the urgency of the message can be set by the person.

[00026] Thus, in one embodiment, the portal can be used to control the selection and setting of different intelligent communication modes for the user. These intelligent communication modes allow priorities of various kinds of communication options to be set by the user. The portal allows worldwide access to the user, and can dynamically determine, for example, whether a call initiated at different time by different callers should be accepted by the user in real-time or handled by other mechanisms. From this information, communication requests can be classified, for example, into different degrees of undesirability. Some requests can be automatically blocked from the user. Others can be diverted and handled by other mechanism, such as diverting a phone call to an email or voice mail.

[00027] In one embodiment, the portal or gateway also includes a database to keep track of the user's different contacts or acquaintances, and the access priorities of each contact. The user can modify information in the database, such

as assigning and/or changing the priorities of the contacts. Based on the information (or lack of information) in the database of the contact trying to access the user, and based on the status of the user, the gateway can automatically select an intelligent mode of communication for the user. This selection can be done dynamically.

[00028] In one embodiment, the portal can dynamically change the access priorities of a caller trying to reach the user. For example, previously the caller is of high priority to the user, and the user has set her access priorities accordingly. Lately, every time the caller trying to reach the user, the request was denied. After a preset number of rejections, the portal can automatically send a message to the user, asking the user if the user would like to lower the access priority of the caller. If the response is affirmative, the caller's priority is automatically reduced.

[00029] In another embodiment, the user does not have to set priorities of each contact. The system monitors every call, and provides the contact's identity to the user. Based on the user's reaction to the call (e.g. accepting or rejecting it), the system automatically sets the contact's priorities. In one embodiment, the system can then query the user for approval on the setting, and allow the user to adjust it as necessary. In another embodiment, the system can continue to modify the caller's priorities based on the user's reaction to the caller's subsequent calls.

[00030] In one embodiment, the user could keep information he believes to be sensitive local in a different database. Such information can be stored securely under the user's direct control. The portal can retrieve information from the different database when required. In another embodiment, the user can restrict or limit such retrieval process.

[00031] Additional confidentiality can be provided. In one embodiment, using phone calls as an example, the user can be aware of the identity of the caller even without being informed of the number of the caller. Similarly, the caller can reach the user without being aware of the number of the phone the user is using to receive the call. The user can keep his location and/or status confidential

but still can receive the communication. This can be useful because there are situations, for example, when the user does not want to disclose his contact information but the user needs to receive services provided by the caller.

[00032] One approach to maintain such confidentiality while maintaining real-time communication is based on a system that digitally identifies the identities of the caller and the receiver. Note that the term caller is used in general. It is not just limited to phone calls, but they can be any person or entity requesting to communicate with the user, such as trying to send a message to the user. As a separate note, the caller can also be a user of different embodiments of the invention.

[00033] After determining the identities, the system can establish connections between the caller and the user in real time. Though contacts are established, the system only needs to ensure the identities of the caller and the user to each other. However, the system does not have to disclose the phone numbers, electronic addresses, physical locations and/or other attributes of the caller and the user to each other. In one embodiment, real time implies that the time required for the identification is similar to the typical time required to set up, for example, a telephone call. The system can be a portal based on the web.

[00034] In one embodiment, a portal also holds the user's electronic calendar. The calendar can be programmable, with entries set by the user. The portal can automatically and securely set appointments for the user since the portal knows the identity of the caller, and the status and schedule of the user. For example, the appointment can be for a conference call.

[00035] To illustrate, in one embodiment, a portal provides a number of intelligent communication modes (ICM) for the user to select as shown in Figure 1. There are three columns in the table. If the communication mode selected in the second column does not work, the portal automatically defaults to the corresponding approach in the third column. For example, under ICM 1, if the mobile phone is busy, default to voice mail. Some of the selections do not have any default because it may not be necessary to default. For example, under ICM 8, the incoming message goes directly to voice mail with instant notification to

mobile devices of the user. The incoming message can usually go to voice mail. There is no need to default.

[00036] As a receiver of communication, the user can define a number of contact classes, as shown in Figure 2. The user can set up a number of urgency classes, as shown in Figure 3. The user can define a number of status, as shown in Figure 4. Then, based on tables in Figures 1-4, the user can set up an Access Priority Database for different ContactClasses, as shown in Figure 5.

[00037] As another example, the user can categorize the following contacts into the corresponding ContactClasses:

| | |
|------------------------------|---------------|
| Alice (Wife) | ContactClass1 |
| Peter (Close Friend) | ContactClass2 |
| Colina (Close Friend's wife) | ContactClass2 |

[00038] Peter wants to make a mobile phone call to the user. In one embodiment, Peter calls a portal. As an example, the portal can be the user's ISP. The portal first verifies the caller's identity to be Peter. This can be done, for example, by a public key challenge based on Peter having a public key digital certificate. In another example, Peter is also a registered user of the portal. Then, Peter's identity can be more readily identified or verified.

[00039] In one embodiment, after verification, a virtual address/number for the communication session is created allowing Peter to reach the user, which can be by phone. The user's phone number does not have to be disclosed to Peter. Similarly, Peter's mobile phone number does not have to be disclosed to the user. The portal can assure the user that the person calling is Peter based on an identification verification process, such as ones described above.

[00040] In establishing contact, the portal can access the user's database and determine that Peter belongs to ContactClass2. The database can, for example, be in the portal.

[00041] In another embodiment, the database is in a personal communication device of the user. The portal accesses the personal communication device to determine Peter's ContactClass.

[00042] Based on the ContactClass information, the status of the user and Peter's urgency setting, the user may receive Peter's call directly. As another example, Peter may be asked to leave a voice mail to the user, while the user is notified by a mobile short message regarding an incoming call from Peter.

[00043] As additional examples, in one embodiment, location information of the user could be determined based on GPS information from, for example, the user's cell phone.

[00044] In one embodiment, the user receives messages through a handheld device, such as a phone, and the phone has a switch. The switch can be a physical button or a software setting, such as a pull-down menu. The user could set his status dynamically by changing the physical or logical position of the switch. For example, one position can indicate that the user is very busy, and should only be interrupted by an urgent message from the user's closest contacts, such as his wife or parents. Another position can indicate that the user's status allows the user to receive any messages from anyone.

[00045] As explained above, based on an embodiment, a message is electronically conveyed by a central network server, such as a web server based on Internet protocol. A portal or gateway approach could provide general Internet access to one or more embodiments of the communication management systems so that users can configure the system behavior they desire. The portal or gateway can then facilitate download of a database or update thereto to a communication device, such as a phone.

[00046] Also, as explained above, based on an embodiment, a user could efficiently maintain his communication, and does not even have to change phones when he moves from areas covering 3G to areas that do not. These phones could be based on different communication mechanisms, such as GSM, CDMA, 3G and 4G systems. Also as explained above, the user could keep information in local databases, such as in such a phone. For example, the

intelligent communication modes shown in Figure 1 for the user to select are in the phone. The user could define the contact classes, such as the ones shown in Figure 2; set up the urgency classes, such as the ones shown in Figure 3; define the statuses, such as the ones shown in Figure 4; set up the Access Priority Database, such as the one shown in Figure 5; and categorize a number of the user's contacts into the corresponding ContactClasses, all in the phone. When a caller places a call to the phone, based on information previously set in the phone and based on the urgency class selected by the caller, the phone could automatically manage the communication. Note that the phone does not have to be a cellular phone. In one embodiment, the phone is a desk top phone.

[00047] Again as explained above, the person or the caller trying to contact the user could select different options. For example, the urgency of the message can be set by the caller. This selection is typically in the call setup phase. In one embodiment, the caller has pre-selected the urgency class before making the call. In another embodiment, if the caller has not selected the urgency class, the system could prompt the caller to input an urgency class or status before the call or message is routed to the user. In yet another embodiment, different urgency classes could be defined by the caller.

[00048] Different embodiments or implementations may yield different advantages. One advantage is that communications for users of electronic devices can be flexibly provided. Another advantage is that communication mode changes can be performed at an electronic device to better suit the needs or condition of the electronic device or user preferences. In still another advantage, a user can provide feedback to a caller without answering a voice call from the caller.

[00049] Another aspect of the invention pertains to improved approaches to respond to an incoming text message. The improved approaches enable a recipient to provide a reply message to an initiator. The incoming text message can be presented to the recipient with an audio or textual presentation. Thereafter, a reply text message can be sent back to the initiator. The recipient can form the reply text message by recording a brief audio message or entering

a text message. In the case in which a brief audio message is used, the audio message can be automatically converted to a text message before being transmitted to the initiator.

[00050] FIG. 6 is a flow diagram of a message presentation process 600 according to one embodiment of the invention. The message presentation process 600 is performed by an electronic device, such as a mobile communication device.

[00051] The message presentation process 600 begins with a decision 602 that determines whether an incoming text message is present. Typically, the incoming text message would be transmitted to the mobile communication device from another communication device. When the decision 602 determines that an incoming text message is not present, then the message presentation process 600 awaits such message. Once the decision 602 determines that an incoming text message has been received, a decision 604 determines whether an audio or text presentation is to be utilized. The decision 604 can be performed in a variety of different ways. For example, the determination of whether to utilize an audio or text presentation can be based on user input or can be automatically determined through a use of configuration or preference information or hardware components (e.g., display, speaker, head-set).

[00052] When the decision 604 determines that an audio presentation is to be utilized, the incoming text message is converted 606 to an audio message. For example, a text-to-speech conversion can be performed. In one embodiment, a user of the electronic device can be permitted to choose speech characteristics, such as a voice, tone, pace, accent, or mood, for the resulting speech. For example, a user could choose speech characteristics by preference settings. In another embodiment, the incoming text message can include or reference speech characteristics so that the initiator can control or influence speech characteristics. In still another embodiment, if the text to be converted contains condensed text (e.g., such as slang or chat language), the resulting speech can pertain to an uncondensed form of the text. The ability to convert

from condensed text to resulting speech for uncondensed text can be facilitated by pattern matching. For example, in chat language "LOL" can be converted to an audio message for "lots of love." In one implementation, a table can store audio messages corresponding to chat terms or phrases. In another implementation, a first table would store uncompressed terms or phrases corresponding to chat terms or phrases, and a second table would store audio messages corresponding to the uncompressed terms or phrases.

[00053] After the incoming text message is converted to the audio message, the audio message is played 608. Typically, the audio message is played 608 by the mobile communication device for the user. For example, the audio message can be output to a speaker of the mobile communication device or a headset used therewith. As a result, the user of the mobile wireless communication device receives an audio message even though the incoming message was a text message.

[00054] On the other hand, when the decision 604 determines that a text presentation is to be utilized, the incoming text message is displayed 610. Here, the incoming text message would be displayed 610 on a display associated with the mobile communication device. Following the blocks 608 and 610, the message presentation process 600 ends.

[00055] As discussed above, text-to-speech conversion can be invoked and performed on an electronic device, which may be a mobile communication device. In one embodiment, text-to-speech conversion can be off-loaded from the mobile device. For example, a remote server computer can be provided the text message and produce the resulting audio message, and then supply the audio message to the mobile device. The remote server computer can be a networked server coupled to a network to communicate with the mobile device. One example of a networked server is a gateway computer for a wireless electronic device, such as a mobile telephone.

[00056] FIG. 7 is a flow diagram of a reply message process 700 according to one embodiment of the invention. The reply message process 700 is performed by an electronic device, such as a mobile communication device.

[00057] The reply message process 700 begins with a decision 702 that determines whether a reply message is to be sent. Typically, the reply message process 700 follows the presentation of an incoming text message to a user of a mobile communication device. Hence, the reply message to be sent is a reply to the incoming text message. However, in other embodiments, the reply message to be sent can be merely an initial message as opposed to a response to an earlier message.

[00058] In any case, when the decision 702 determines that a reply message is not to be sent, then the reply message process 700 ends or simply awaits the need to send a reply message. On the other hand, when the decision 702 determines that a reply message is to be sent, then a decision 704 determines whether an audio or text message is to be formed. The decision 704 can be performed in a variety of different ways. For example, the determination of whether to send an audio or text message can be based on user input or can be automatically determined through a use of configuration or preference information or hardware components (e.g., display, speaker, head-set).

[00059] When the decision 704 determines that an audio message is to be formed, then the reply message process 700 prompts 706 for an audio message. Here, the prompt 706 can be directed to the user of the mobile communication device. The prompt can be an audio or textual indication. Next, a decision 708 determines whether an audio message has been recorded. When the decision 708 determines that the audio message has not been recorded, then the reply message process 700 awaits the audio message. Once the decision 708 determines that the audio message has been recorded, then the audio message is converted 710 to a text message. In one embodiment, if the audio message recorded is greater than a maximum text message size (e.g., 150 or 160 characters), then the audio message can be shortened so that the resulting text

message does not exceed the maximum text message size. One way to shorten the text message is to use abbreviations. For example, the words "For example" can be changed to "e.g.". Such conversion can be again be performed by matching entries in tables. Another way to shorten is to remove non-essential text. Still another way to shorten is to clip off or truncate the text message at the maximum text message size. In another embodiment, the resulting text message might provide an indication that it was converted from an audio message. Following the block 710, the text message is transmitted 712 over a wireless network.

[00060] Alternatively, when the decision 704 determines that a text message is to be formed, then a text entry screen is displayed 714. Next, a decision 716 determines whether a text message has been entered. When the decision 716 determines that a text message has not yet been entered, then the reply message process 700 awaits entry of the text message. Once the text message has been entered, the text message is transmitted 712 over the wireless network. Following the block 712, the reply message process 700 ends.

[00061] Although the reply message process 700 provides for the user to enter a custom text or audio message, it should be understood that the reply message can alternatively be formed through use of semi-custom or predetermined reply messages from which the user of the mobile communication device can choose. The use of semi-custom or predetermined reply messages can be achieved as noted in a number of embodiments in U.S. Patent Application 11/006,343 (incorporated by reference into this application), and can serve to simplify the conversion process.

[00062] An exemplary scenario of how message presentation and reply message processes could work according to one implementation of the second aspect is as follows:

[00063] 1. From his mobile phone, Bill prepares and sends a text message to Tom's mobile phone.

[00064] 2. Tom is alerted by his mobile phone of an incoming text message, such as by displaying at least a portion of the text message and/or otherwise notifying Tom of the text message.

[00065] 3. Tom's mobile phone can decide whether to present the text message on a display screen of Tom's mobile phone, or to first convert the text message to an audio message and then present the audio message to Tom (e.g., play the audio message). Of course, Tom can interact with Tom's mobile phone to assist in making the determination on how to present the message.

[00066] 4. Thereafter, if desired, Tom can prepare and send a reply message back to Bill. This reply message can be prepared initially as a text message or an audio message. Tom's mobile phone and/or Tom can determine whether the reply message is initially prepared as a text message or as an audio message. If an audio message is initially created, such audio message must be converted to a text message prior to transmission. Eventually, the reply message is sent to Bill as a text message. Tom's mobile phone can assist with the creation of the reply message through use of custom, semi-custom or predetermined reply message from which Tom and/or Tom's mobile phone can choose.

[00067] 5. If Tom is using a head-set with his mobile phone, then an audio message may be more convenient, assuming that Tom wants to provide a particular (i.e., customized) message to Bill. The head-set allows Tom to easily record a brief audio message. Less conveniently, the head-set can be used to present a list of predetermined audio messages and allow Tom's selection therefrom by a button or voice-command.

[00068] 6. If Tom is not using a head-set, then a text message response might be more suitable. This would typically require that Tom's mobile phone have a display and a keypad. Even so, without a head-set, Tom could still record an audio message, though such would likely be less convenient.

[00069] 7. Tom can also not provide a reply message and simply not respond to the incoming text message. Alternatively, Tom can configure his

mobile phone to automatically produce and send a reply message based on user settings or preferences, position, configuration, status, etc.

[00070] In this aspect of the invention, the calling party and the called party often use mobile communication devices, such as mobile phones. However, the parties can alternatively use other electronic devices, such as a PDA, a computer, etc.

[00071] The advantages of the invention exemplified by FIGs. 6-7 are numerous. Different embodiments or implementations may yield different advantages. One advantage is that communications for users of electronic devices can be flexibly provided. Another advantage is that communication mode changes can be performed at an electronic device to better suit the needs or condition of the electronic device or user preferences. Yet still another advantage is that the sender can get back a message in the same format as they sent the original message, though the recipient may use the message in a different format or mode (e.g., recipient hears the text message as an audio message).

[00072] Moreover, it should be noted that with regards to any of the embodiments in which a voice call or a text message is incoming to an electronic device, not only can the user of the mobile device take an action (e.g., button press or voice-command) to decline the call/message but also the electronic device itself can automatically decline the call/message such that the user is not disturbed. For example, an electronic device can be configured through user settings (e.g., preferences) to decline calls/messages matching certain criteria. Also, an auto reply message can be configured to be automatically sent in response to the call/message. For a known, undesired marketing caller/message sender, the electronic device can automatically send a reply message demanding the sender not to call or send messages anymore, and to remove your information from their database.

[00073] Text messages received or sent can optionally embed indications of speech characteristics to be used, should the text message be converted to an audio format. The speech characteristics can pertain to voice, tone, pace,

accent, and/or mood. The speech characteristics for the resulting speech can be set in preference or configuration information, set on a per message basis by users, or set by evaluation of monitored data pertaining to the user.

[00074] Additionally, the messages being transmitted can be encrypted for security purposes.

[00075] A number of embodiments described herein can be considered an automated secretary for a user of an electronic device. The automated secretary can completely or partially respond to an incoming call/message so as to reduce disturbances to the user. The user can personalize the automated secretary through user settings (e.g., preferences), or the automated secretary can learn over time how to handle different incoming calls/messages. Besides handling or assisting the user with incoming calls/messages, the automated secretary can also assist with other activities, such as making calendar entries (e.g., meetings) in a calendar or responding to incoming callers/messages with relevant information pertaining to the user's schedule as maintained by the calendar (though the user could restrict such access to certain information and/or inquiring parties). For example, if an incoming text message asks "available for lunch today?", the automated secretary can check the user's availability for lunch by way of the user's calendar, then if the user is not available the automated secretary can quickly informing the inquiring party of same or propose another date. On the other hand, if the lunch time period is available in the user's calendar, then the automated secretary can either directly respond to the inquiring party of acceptance or propose a response to the user for review, modification and/or transmission.

[00076] Also, a number of embodiments performing communications using voice as well as audio and/or text messages can be implemented using voice over Internet Protocol technologies, with signals delivered over the Web. For example, a calling party's communication or mobile device can include an adapter to convert voice signals to data packets before sending them over the Internet. A service provider can convert the packets back into voice signals

before sending the voice signals to the called party's communication device.

Similarly, embodiments can be implemented using voice over wireless protocols, such as Wi-Fi or Wi-Max networks. Using such technologies, computing devices can become communication devices.

[00077] Further, the computer-implemented methods and systems discussed above can be used in conjunction with one or more of the various approaches discussed in U.S. Patent Application 11/006,343. For example, the automated actions or decisions (e.g., intelligent secretary, decision 204 in FIG. 2, etc.) of U.S. Patent Application 11/006,343 can be automatically made by the systems/methods described above. Still further, the various approaches discussed in U.S. Patent Application 11/006,343 can be used in conjunction with one or more the various methods/systems discussed above. For example, the systems/methods described above can use the messaging approaches (e.g., audio or textual messages) described in U.S. Patent Application 11/006,343.

[00078] Other embodiments of the invention will be apparent to those skilled in the art from a consideration of this specification or practice of the invention disclosed herein. It is intended that the specification and examples be considered as exemplary only, with the true scope and spirit of the invention being indicated by the following claims.

What is claimed is:

CLAIMS

1. An article for managing communication of a user, in view of a first device of a person trying to electronically convey a message from the first device to a second device of the user, the article comprising:
 - a non-transitory computer readable storage medium comprising a plurality of instructions, when executed by a server, result in the server:
 - receiving the message conveyed from the first device;
 - identifying an identity of the person trying to electronically convey the message;
 - identifying contact information of the person trying to electronically convey the message;
 - determining whether the user is available to receive the message;
 - sending information to the first device as to whether the user is available to receive the message; and
 - setting a process for the message, using one or more rules, based on at least a current status associated with the user, a preference of the user, and an access priority associated with the person.
2. An article as recited in claim 1,
 - wherein the message is conveyed from the first device based on Internet protocol,
 - wherein the process allows the user to receive the message via an access identifier of the user,
 - wherein the process allows the message to be conveyed from the first device via a set of modes of communication,
 - wherein the set of modes of communication includes at least instant message and voice call, and
 - wherein the user has different access identifiers for at least two of the modes in the set of modes.

3. An article as recited in claim 1,
wherein the message conveyed from the first device is a text message,
and
wherein the process includes converting the text message to voice if the
message is to be presented as a voice message by the second device to the
user, in view at least of the preference of the user.
4. An article as recited in claim 1, wherein the process includes presenting at
the second device, the identity of the person.
5. An article as recited in claim 1 wherein the process includes determining a
reply to the message in view of the current status of the user.

ABSTRACT

A computer-implemented system and method to manage the communication of a user are disclosed. In one embodiment, when a person tries to electronically convey a message to the user, the status of the user, the identity of the person, and the urgency of the message can be identified. The access priority of the person can be determined based on the person's identity. Then, the message can be managed using one or more rules and in view of the status of the user, the access priority of the person and the urgency of the message.

| 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

| | |
|-----------|--|
| UrgClass1 | Life threatening – interrupt at any time and occasion |
| UrgClass2 | Urgent confirmed meeting reminder – interruption allowed |
| UrgClass3 | Urgent matter requiring immediate attention |
| UrgClass4 | Important matter requiring quick attention |
| UrgClass5 | Regular work related matter |
| UrgClass6 | Casual contact |
| UrgClass7 | Cold calls from unknown person |
| UrgClass8 | User defined |

FIGURE 3

| | |
|--------------|-------------------|
| MyBusyState1 | Important meeting |
| MyBusyState2 | Ordinary meeting |
| MyBusyState3 | Available |
| MyBusyState4 | Sleeping |
| MyBusyState5 | Resting |
| MyBusyState6 | User defined |

FIGURE 4

| ContactClass | UrgClass | MyBusyState | ICM allowed |
|---------------|-------------|----------------|-------------|
| ContactClass2 | UrgClass1-3 | All | All |
| | UrgClass4-6 | MyBusyState1 | All |
| | | MyBusyState2-3 | All |
| | | MyBusyState4-5 | All |
| | UrgClass7-8 | All | ICM 13 |

FIGURE 5

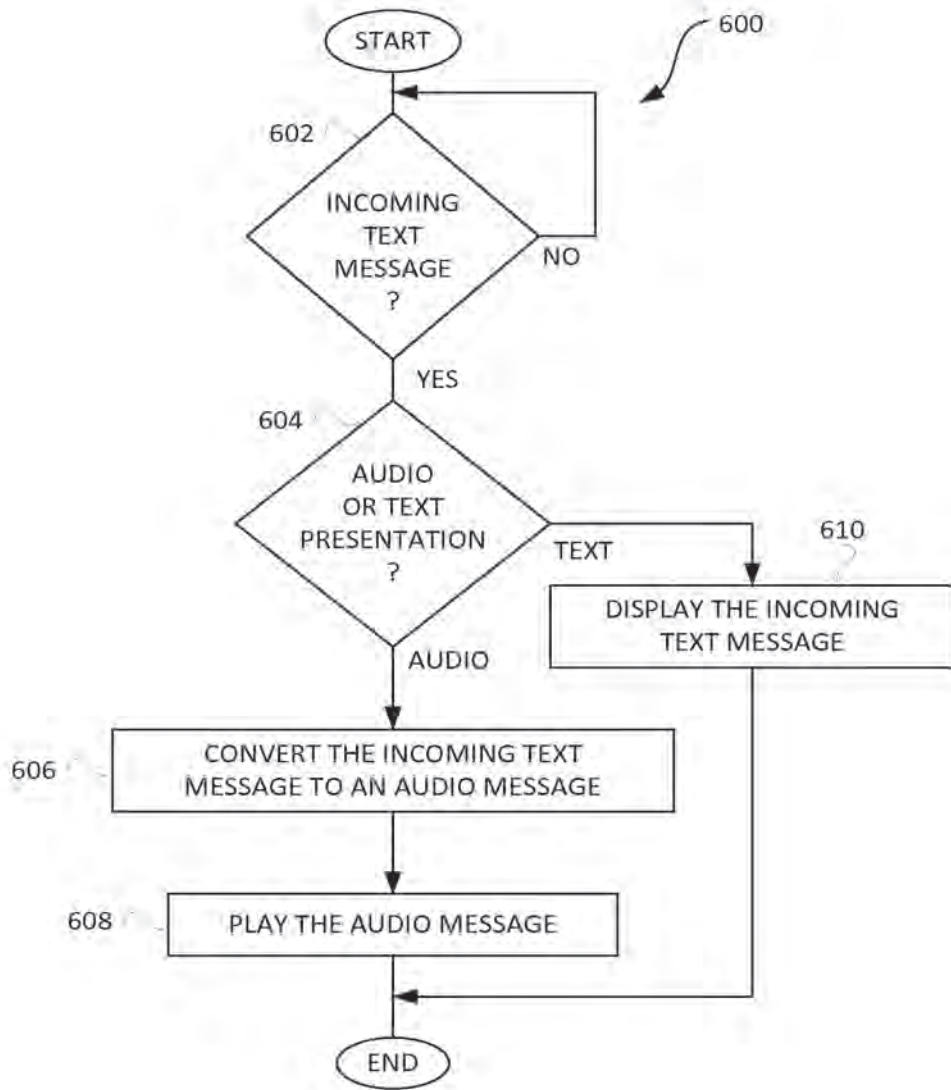


FIG. 6

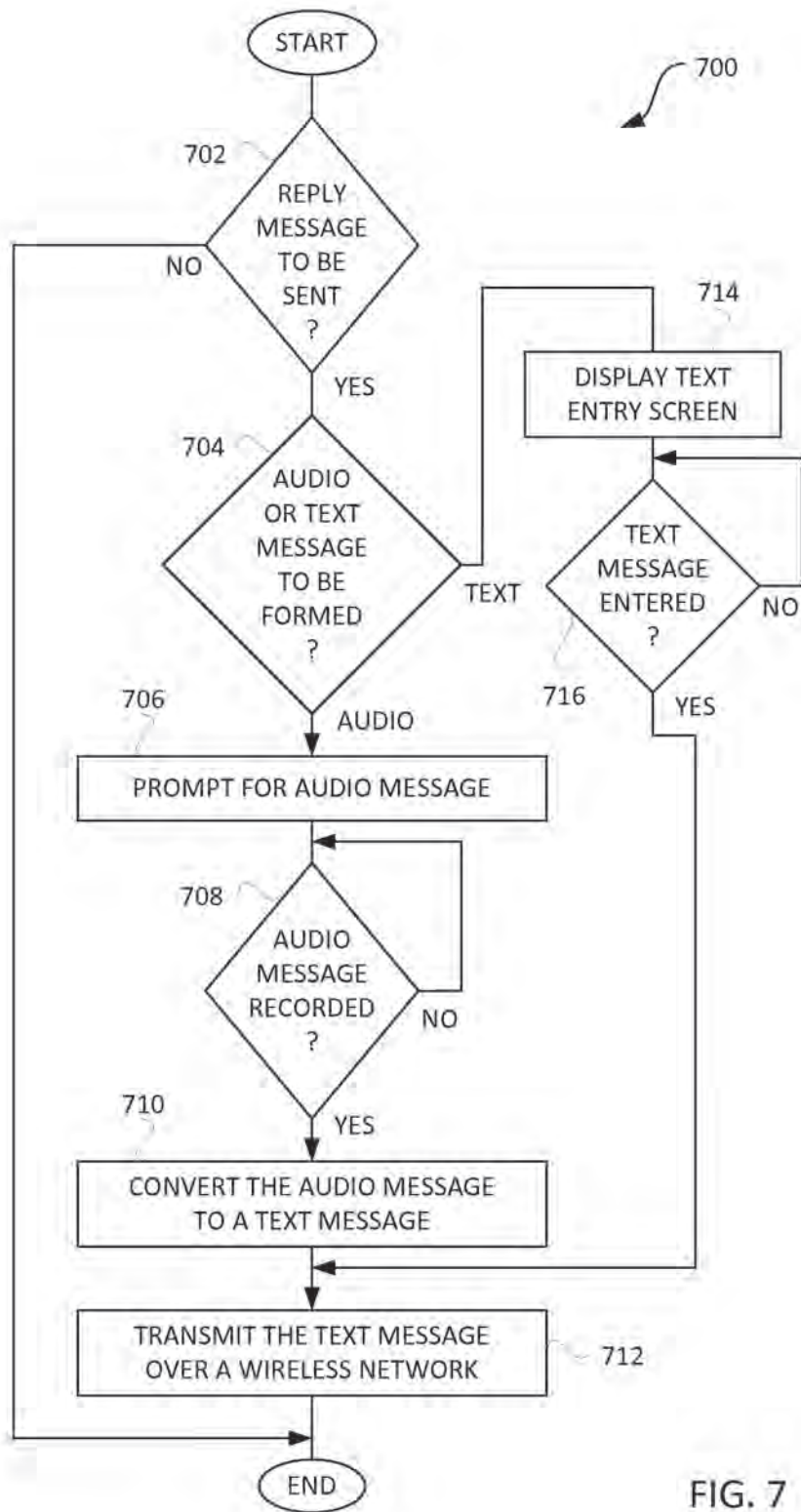


FIG. 7

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| Title of Invention | SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION |
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This declaration is directed to: The attached application, or
 United States application or PCT international application number _____
filed on _____

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

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.


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LEGAL NAME OF INVENTOR

Inventor: Kwok Wai Cheung Date (Optional) : _____

Signature: 

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| <p>As the below named inventor, I hereby declare that:</p> <p>This declaration is directed to: <input checked="" type="checkbox"/> The attached application, or <input type="checkbox"/> United States application or PCT international application number _____ filed on _____</p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.</p> <p style="text-align: center;">WARNING:</p> <p>Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.</p> | |
| <p>LEGAL NAME OF INVENTOR</p> <p>Inventor: <u>Peter P. Tong</u> Date (Optional): <u>April 30 2014</u></p> <p>Signature: <u><i>Peter P. Tong</i></u></p> | |
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This declaration is directed to: The attached application, or
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The above-identified application was made or authorized to be made by me.

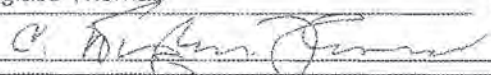
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

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LEGAL NAME OF INVENTOR

Inventor: C. Douglass Thomas Date (Optional): 5-1-2014
 Signature: 

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: CHEUNG et al. Attorney Docket No.: IPVMCP02C3

Application No.: Not Yet Assigned Examiner: Not Yet Assigned

Filed: Herewith Group: Not Yet Assigned

Title: SYSTEMS AND PROCESSES
TO MANAGE MULTIPLE MODES OF
COMMUNICATION

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Dear Sir:

The references listed in the attached PTO Form 1449 may be material to examination of the above-identified patent application. Applicants submit the list of these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application. The above-identified application is a Continuation of prior application U.S. Patent Application No. 14/272,632. This prior application is being relied upon for an earlier filing date under 35 U.S.C. § 120. Because the listed references (to the extent that copies are required) were either cited by the PTO, or submitted to the PTO in the prior application, under 37 CFR § 1.98(d) Applicants submit that copies need not be provided.

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Appln. No. Not Yet Assigned

|

Atty. Docket No. IPVMCP02C3

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This Information Disclosure Statement is: (i) filed within three (3) months of the filing date of the above-referenced application, (ii) believed to be filed before the mailing date of a first Office Action on the merits, or (iii) believed to be filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under §1.114.

Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 50-3874 (Order No. IPVMCP02C3).

Respectfully submitted,

/Peter P. Tong/

Peter P. Tong
Registration No. 35,757

5150 El Camino Real,
Building A, Ste. 22
Los Altos, CA 94022

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| | | | |
|-----------|-----------------|-----------|------------------|
| Signature | /Peter P. Tong/ | Date | October 26, 2015 |
| Name | Peter P. Tong | Telephone | 650-903-9200 |
| Title | President | | |

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Electronic Patent Application Fee Transmittal

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|--|---|-----------------|---------------|-----------------------------|
| Application Number: | | | | |
| Filing Date: | | | | |
| Title of Invention: | SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION | | | |
| First Named Inventor/Applicant Name: | Kwok Wai Cheung | | | |
| Filer: | Peter P. Tong | | | |
| Attorney Docket Number: | IPVMCP02C3 | | | |
| Filed as Small Entity | | | | |
| Filing Fees for Utility under 35 USC 111(a) | | | | |
| Description | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
| Basic Filing: | | | | |
| Utility filing Fee (Electronic filing) | 4011 | 1 | 70 | 70 |
| Utility Search Fee | 2111 | 1 | 300 | 300 |
| Utility Examination Fee | 2311 | 1 | 360 | 360 |
| Pages: | | | | |
| Claims: | | | | |
| Miscellaneous-Filing: | | | | |
| Petition: | | | | |
| Patent-Appeals-and-Interference: | | | | |

| Description | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
|--|----------|----------|--------|----------------------|
| Post-Allowance-and-Post-Issuance: | | | | |
| Extension-of-Time: | | | | |
| Miscellaneous: | | | | |
| Total in USD (\$) | | | | 730 |

Electronic Acknowledgement Receipt

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|---|---|
| EFS ID: | 23874065 |
| Application Number: | 14922344 |
| International Application Number: | |
| Confirmation Number: | 9763 |
| Title of Invention: | SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION |
| First Named Inventor/Applicant Name: | Kwok Wai Cheung |
| Customer Number: | 34071 |
| Filer: | Peter P. Tong |
| Filer Authorized By: | |
| Attorney Docket Number: | IPVMCP02C3 |
| Receipt Date: | 26-OCT-2015 |
| Filing Date: | |
| Time Stamp: | 12:22:19 |
| Application Type: | Utility under 35 USC 111(a) |

Payment information:

| | |
|--|---------------|
| Submitted with Payment | yes |
| Payment Type | Credit Card |
| Payment was successfully received in RAM | \$730 |
| RAM confirmation Number | 9559 |
| Deposit Account | 503874 |
| Authorized User | TONG, PETER P |

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File Listing:

| Document Number | Document Description | File Name | File Size(Bytes)/ Message Digest | Multi Part /.zip | Pages (if appl.) |
|--|--|---|---|------------------|------------------|
| 1 | Transmittal of New Application | IPVMCP02C3_AppTrans.pdf | 276269 c37966945a0113156108910268214841071efc | no | 2 |
| Warnings: | | | | | |
| Information: | | | | | |
| 2 | | IPVMCP02C3-App-asfiled.pdf | 106715 a08108a0c1429d41a1510268214841071efc | yes | 23 |
| Multipart Description/PDF files in .zip description | | | | | |
| | | Document Description | Start | End | |
| | | Specification | 1 | 20 | |
| | | Claims | 21 | 22 | |
| | | Abstract | 23 | 23 | |
| Warnings: | | | | | |
| Information: | | | | | |
| 3 | Drawings-only black and white line drawings | IPVMCP02C3_FormalDrawings.pdf | 92050 61a8007f0005a179182b527c56a1194116897 | no | 4 |
| Warnings: | | | | | |
| Information: | | | | | |
| 4 | Oath or Declaration filed | IPVMCP02C3-ExecutedDecsFromParent-AsFiled.pdf | 2185095 1ac512b6607a10306cc641e9f71a0f3ff0416a | no | 3 |
| Warnings: | | | | | |
| Information: | | | | | |
| 5 | Transmittal Letter | IPVMCP02C3-IDSTrans.pdf | 23447 8011144182190a0f712bc73080229c3f009510 | no | 2 |
| Warnings: | | | | | |
| Information: | | | | | |
| 6 | Information Disclosure Statement (IDS) Form (SB08) | IPVMCP02C3-1449.pdf | 58426 e1f6d810760514011652359d566732805e1a10 | no | 6 |

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| Warnings: | | | | | |
| Information: | | | | | |
| This is not an USPTO supplied IDS fillable form | | | | | |
| 7 | Application Data Sheet | WebADS.pdf | 134396 | no | 6 |
| | | | <small>7366e6c1651634918151109988)ea1c3048ab</small> | | |
| Warnings: | | | | | |
| Information: | | | | | |
| 8 | Assignee showing of ownership per 37 CFR 3.73 | IPVMCP02C3-Statement373c.pdf | 118130 | no | 3 |
| | | | <small>5022b624888fe5143c3262105121e8f70204</small> | | |
| Warnings: | | | | | |
| Information: | | | | | |
| 9 | Power of Attorney | IPVMCP02C3_PoA.pdf | 80837 | no | 2 |
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| Warnings: | | | | | |
| Information: | | | | | |
| 10 | Fee Worksheet (SB06) | fee-info.pdf | 35068 | no | 2 |
| | | | <small>07f14aa471791e30a8418880135252d1e0945</small> | | |
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| | | | Total Files Size (in bytes): | 3110433 | |
| <p>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.</p> <p><u>New Applications Under 35 U.S.C. 111</u> 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.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> 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.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> 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.</p> | | | | | |

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| | Application No.: | Not Yet Assigned |
| | Applicant | CHEUNG et al. |
| | Filing Date | Herewith |
| | Group | Not Yet Assigned |
| | | Page 1 of 6 |

U.S. Patent Documents

| Examiner Initial | No. | Patent No. | Date | Patentee | Class | Sub-class | Filing Date |
|------------------|-----|-----------------|--------|----------------------|-------|-----------|-------------|
| | 1. | 2001/0011014 A1 | Aug-01 | Higuchi et al. | | | |
| | 2. | 2001/0028709 A1 | Oct-01 | Makela et al. | | | |
| | 3. | 2001/0031633 A1 | Oct-01 | Tuomela et al. | | | |
| | 4. | 2002/0067806 A1 | Jun-02 | Rodriguez et al. | | | |
| | 5. | 2002/0073207 A1 | Jun-02 | Widger et al. | | | |
| | 6. | 2002/0094067 A1 | Jul 02 | August | | | |
| | 7. | 2002/0142756 A1 | Oct-02 | Rutledge et al. | | | |
| | 8. | 2003/0039339 A1 | Feb-03 | Luehrig et al. | | | |
| | 9. | 2003/0041048 A1 | Feb-03 | Balasuriya | | | |
| | 10. | 2003/0103600 A1 | Jun-03 | Potter | | | |
| | 11. | 2003/0105854 A1 | Jun-03 | Thorsteinsson et al. | | | |
| | 12. | 2003/0112948 A1 | Jun-03 | Brown et al. | | | |
| | 13. | 2003/0129968 A1 | Jul-03 | Earl | | | |
| | 14. | 2003/0191676 A1 | Oct-03 | Templeton | | | |
| | 15. | 2003/0191814 A1 | Oct-03 | Tran | | | |
| | 16. | 2003/0232629 A1 | Dec-03 | Jang et al. | | | |
| | 17. | 2004/0024882 A1 | Feb-04 | Austin et al. | | | |
| | 18. | 2004/0072585 A1 | Apr-04 | Le et al. | | | |
| | 19. | 2004/0122979 A1 | Jun-04 | Kirkland | | | |
| | 20. | 2004/0203919 A1 | Oct-04 | Ross et al. | | | |
| | 21. | 2005/0037785 A1 | Feb-05 | Chen | | | |
| | 22. | 2005/0071253 A1 | Mar-05 | Yang | | | |
| | 23. | 2005/0107130 A1 | May-13 | Peterson II | | | |
| | 24. | 2005/0136955 A1 | Jun-05 | Mumick et al. | | | |
| | 25. | 2005/0191994 A1 | Sep-05 | May et al. | | | |
| | 26. | 2005/0192061 A1 | Sep-05 | May et al. | | | |
| | 27. | 2005/0273327 A1 | Dec-05 | Krishnan | | | |
| Examiner | | | | Date Considered | | | |

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | |
|--|------------------|------------------|
| Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary) | Atty. Docket No. | IPVMCP02C3 |
| | Application No.: | Not Yet Assigned |
| | Applicant | CHEUNG et al. |
| | Filing Date | Herewith |
| | Group | Not Yet Assigned |
| | | Page 2 of 6 |

| | | | | | | |
|-----|-----------------|--------|------------------|--|--|--|
| 28. | 2005/0027385 A1 | Feb-05 | Yuch | | | |
| 29. | 2006/0003803 A1 | Jan-06 | Thomas et al. | | | |
| 30. | 2006/0239419 A1 | Oct-06 | Joseph et al. | | | |
| 31. | 2006/0259565 A1 | Nov-06 | Cheung et al. | | | |
| 32. | 2006/0276210 A1 | Dec-06 | Thomas et al. | | | |
| 33. | 2006/0288099 A1 | Dec-06 | Jefferson et al. | | | |
| 34. | 2007/0047522 A1 | Mar-07 | Jefferson et al. | | | |
| 35. | 2007/0238474 A1 | Oct-07 | Ballas | | | |
| 36. | 2008/0261636 A1 | Oct-08 | Lau et al. | | | |
| 37. | 2010/0205272 A1 | Aug-10 | Cheung et al. | | | |
| 38. | 2011/0151852 A1 | Jun-11 | Olincy et al. | | | |
| 39. | 2014/0242956 A1 | Aug-14 | Cheung et al. | | | |
| 40. | 2014/0256293 A1 | Sep-14 | Thomas et al. | | | |
| 41. | 5,425,516 | Jun-95 | Daines | | | |
| 42. | 5,548,636 | Aug-96 | Bannister et al. | | | |
| 43. | 5,758,079 | May-98 | Ludwig et al. | | | |
| 44. | 5,828,731 | Oct-98 | Szlam et al. | | | |
| 45. | 5,930,700 | Jul-99 | Pepper et al. | | | |
| 46. | 5,970,388 | Oct-99 | Will | | | |
| 47. | 6,119,022 | Sep-00 | Osborn et al. | | | |
| 48. | 6,327,628 B1 | Dec-01 | Anuff et al. | | | |
| 49. | 6,359,982 B1 | Mar-02 | Szlam | | | |
| 50. | 6,463,462 B1 | Oct-02 | Smith et al. | | | |
| 51. | 6,577,859 B1 | Jun-03 | Zahavi et al. | | | |
| 52. | 6,636,888 B1 | Oct-03 | Bookspan et al. | | | |
| 53. | 6,665,534 B1 | Dec-03 | Conklin et al. | | | |
| 54. | 6,788,766 B2 | Sep-04 | Logan | | | |
| 55. | 6,801,793 B1 | Oct-04 | Aarnio et al. | | | |
| 56. | 6,816,578 B1 | Nov-04 | Kredo et al. | | | |

| | |
|----------|-----------------|
| Examiner | Date Considered |
|----------|-----------------|

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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| Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary) | Atty. Docket No. | IPVMCP02C3 |
| | Application No.: | Not Yet Assigned |
| | Applicant | CHEUNG et al. |
| | Filing Date | Herewith |
| | Group | Not Yet Assigned |
| | | Page 3 of 6 |

| | | | | | | |
|-----|--------------|--------|-----------------|--|--|--|
| 57. | 6,819,757 B1 | Nov-04 | Cook et al. | | | |
| 58. | 6,819,945 B1 | Nov-04 | Chow et al. | | | |
| 59. | 6,978,136 B2 | Dec-05 | Jenniges et al. | | | |
| 60. | 7,010,288 B2 | Mar-06 | Brown et al. | | | |
| 61. | 7,010,332 B1 | Mar-06 | Irvin et al. | | | |
| 62. | 7,027,842 B2 | Apr-06 | Zhang et al. | | | |
| 63. | 7,043,261 B1 | May-07 | Krishnan | | | |
| 64. | 7,072,452 B1 | Jul-06 | Roberts et al. | | | |
| 65. | 7,085,253 B2 | Aug-06 | Yang | | | |
| 66. | 7,107,010 B2 | Sep-06 | Heinonen et al. | | | |
| 67. | 7,110,963 B2 | Sep-06 | Negreiro | | | |
| 68. | 7,111,044 B2 | Sep-06 | Lee | | | |
| 69. | 7,116,976 B2 | Oct-06 | Thomas et al. | | | |
| 70. | 7,188,073 B1 | Mar-07 | Tam et al. | | | |
| 71. | 7,224,775 B1 | May-07 | Shaffer et al. | | | |
| 72. | 7,376,434 B2 | May-08 | Thomas et al. | | | |
| 73. | 7,403,972 B1 | Jul-08 | Lau et al. | | | |
| 74. | 7,729,688 B2 | Jun-10 | Cheung et al. | | | |
| 75. | 7,792,552 B2 | Sep-10 | Thomas et al. | | | |
| 76. | 7,890,128 B1 | Feb-11 | Thomas et al. | | | |
| 77. | 8,112,104 B1 | Feb-12 | Thomas et al. | | | |
| 78. | 8,280,419 A1 | Oct-12 | Thomas et al. | | | |
| 79. | 8,737,978 A1 | May-14 | Thomas et al. | | | |

Foreign Documents

| Init. | Document No. | Date | Country | Class | Subclass | Translation | |
|-------|----------------|--------|---------|-------|----------|-------------|----|
| | | | | | | Yes | No |
| | WO 01/45343 A2 | Jun-01 | PCT | | | | |
| | CN 1453981 | Nov-03 | China | | | | |

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| Examiner | Date Considered |
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| | Application No.: | Not Yet Assigned |
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| | Filing Date | Herewith |
| | Group | Not Yet Assigned |
| | | Page 4 of 6 |

| Other Documents (Including Author, Title, Date, Pertinent Pages, etc.) | |
|---|---|
| A | Notice of Allowance for U.S. Patent Application No. 12/798,995 dated September 29, 2011. |
| B | Notice of Allowance for U.S. Patent Application No. 12/798,995 dated January 3, 2012. |
| C | Notice of Allowance for U.S. Patent Application No. 12,798,995, dated October 3, 2012. |
| D | Notice of Allowance for U.S. Patent Application No. 12/798,995, dated October 30, 2013. |
| E | Notice of Allowance for U.S. Patent Application No. 12/798,995, dated February 20, 2014. |
| F | Office Action for U.S. Patent Application No. 14/272,632, dated July 27, 2015. |
| G | Notice of Allowance for U.S. Patent Application No. 14/272,632, dated September 18, 2015. |
| H | First Office Action for CN Patent Application No. 200680027964.9, dated March 26, 2010 (17 pages). |
| I | Second Office Action for CN Patent Application No. 200680027964.9, dated October 25, 2010 (14 pages). |
| J | Third Office Action for CN Patent Application No. 200680027964.9, dated April 8, 2011 (11 pages). |
| K | Notice of Rejection for CN Patent Application No. 200680027964.9, dated January 6, 2012 (11 pgs.) |
| L | "Company Overview", http://www.fastmobile.com/company_overview.html , downloaded 11/5/2003, p. 1. |
| M | "Introducing the Tellme Voice Application Network", Tellme, http://www.tellme.com/products/ , downloaded 10/2/2003, page 1. |
| N | "Iotum History," Iotum Corp., http://iotum.com/simplyrelevant/2006/04/03/iotum-history/ , downloaded May 15, 2006, pages 1-4. |
| O | "messaging", Vodafone Group, 2001, http://www.vodafone.co.nz/business/10.2.3_messaging.jsp , downloaded 10/14/2003, pages 1-2. |
| P | "Microsoft Windows Messenger: Go Beyond Text with Voice & Video Chats", Dell Inc., http://www.dell.com/us/en/dhs/topics/segtopic_002_xp_im.htm , downloaded 10/2/2003, pages 1-2. |
| Q | "Microsoft Windows Messenger: Instantly Communicate with Family and Friends Messenger", Dell Inc., http://www.dell.com/us/en/dhs/topics/segtopic_001_xp_im.htm , downloaded 10/2/2003, pages 1-3. |
| R | "Our Solution," Iotum Corp., http://www.iotum.com/our_solution.php , downloaded May 15, 2006, pages 1-2. |

| | |
|----------|-----------------|
| Examiner | Date Considered |
|----------|-----------------|

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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| | Applicant | CHEUNG et al. |
| | Filing Date | Herewith |
| | Group | Not Yet Assigned |
| | | Page 5 of 6 |

| | |
|-----------------|--|
| S | "Short Message Service/Interactive Voice Response (SMS/IVR), Lucent Technologies, 2003, pages 1-2. |
| T | "text messaging", Vodafone Group, 2001, Vodafone - Services, "All about text messaging", http://www.vodafone.co.nz/services/07.a.1_two_way_messaging.jsp?hd=4yourbusiness&... , downloaded 10/14/2003, pages 1-2. |
| U | "We bring relevance to communications," Cnet News, Ina Fried, July 21, 2005, pages 1-2. |
| V | Appenzeller, et al., "The Mobile People Architecture", Technical Report: CSL-TR-00000, Computer Systems Laboratory, Departments of Electrical Engineering and Computer Science, Stanford University, January 1999, pages 1-13. |
| W | BlackBerry, "Voice and SMS", http://www.blackberry.com/products/service/voices_sms.shtml?DCPID=hmsvoice downloaded 10/2/2003, page 1. |
| X | Calsyn, Martin and Desseault, Lisa, "Presence Information Protocol Requirements," Internet Draft, February 9, 1998, pages 1-27. |
| Y | Emergin Inc., "Emergin WirelessOffice 5.0", http://www.emergin.com/?source=overture , downloaded 10/2/2003, page 1. |
| Z | fastmobile Inc., "Dialog GSM launches Push 'n' Talk walkie talkie service Push to Talk over Cellular Now in Sri Lanka Dialog GSM Pioneers Latest GSM Advancement", Press Release, December 1, 2004, pages 1-2. |
| AA | fastmobile, "fastmobile's fastchat™ Instant Communications Application is Coming to Thousands of Mobile Phone Retail Stores Nationwide", fastmobile Press Release, September 15, 2003, pages 1-3. |
| AB | IMBOT, Press Release, "IMBOT offers new Text 2 Voice Service Text 2 Voice service enables wireless customers to send voice messages from 2-Way devices", October 29, 2001, pages 1-2. |
| AC | Internet Traveler, "Welcome to the Inter.Net Communicator Tour!", http://www.inter.net/traveler/tour/communicator_messaging.php , downloaded 10/14/2003, p. 1. |
| AD | J. Rosenberg, H. Schulzrinne, Internet Draft, "SIP For Presence," http://www.alternic.org/drafts/drafts-r-s/draft-rosenberg=sip-pip-00.txt , November 13, 1998, Bell Laboratories, Columbia, pages 1-31. |
| AE | Joseph, Anthony D. et al., "The Case for Services over Cascaded Networks", EECS Department, CS Division, University of California, Berkeley, http://iceberg.cs.berkeley.edu/ , International Conference on Wireless and Mobile Multimedia 1998, pages 1-9. |
| AF | MobileShop, "SMS - also known as text messaging", http://www.mobileshop.org/howitworks.sms.htm , downloaded October 14, 2003, pages 1-2. |
| Examiner | |
| Date Considered | |

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | |
|--|------------------|------------------|
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| | Applicant | CHEUNG et al. |
| | Filing Date | Herewith |
| | Group | Not Yet Assigned |
| | | Page 6 of 6 |

| | |
|----|---|
| AG | Schulzrinne, H. et al., RPID: Rich Presence Extensions to the Presence Information Data Format (PIDF), draft-ietf-simple-rpid-06.txt, June 2, 2005, http://www1.ietf.org/mail-archive/web/simple/current/msg05398.html , downloaded November 15, 2006, pages 1-35. |
| AH | Schulzrinne, H. et al., RPID: Rich Presence Extensions to the Presence Information Data Format (PIDF), draft-ietf-simple-rpid-10.txt, December 20, 2005, pages 1-41. |
| AI | Schulzrinne, H. et al., RPID: Rich Presence Extensions to the Presence Information Data Format (PIDF), draft-ietf-simple-rpid-10.txt, December 4, 2005, pages 1-35. |
| AJ | Sonim Technologies, Inc., "Integrated voice and text messaging over GPRS showcased jointly by Sonim, Symbian and Texas Instruments", Sonim Press Release, December 2, 2002, pages 1-2. |
| AK | Symbian Ltd., "Symbian OS Version 7.0: Functional description", Revision 1.5, February 2003, pages 1-24. |
| AL | Symbian Ltd., "Symbian OS Version 7.0s: Functional description", Revision 2.1, June 2003, pages 1-29. |
| AM | Symbian Ltd., "Technology: Creating Symbian OS phones", http://www.symbian.com/technology/create-symb-OS-phones.html , downloaded 11/5/2003, page 1-8. |
| AN | Symbian Ltd., "Technology: Why is a different operating system needed", http://www.symbian.com/technology/why-diff-os.html , downloaded 11/5/2003, pages 1-5. |
| AO | Verizon Wireless, "TXT messaging", http://www.vtext.com/customer_site/jsp/messaging_lo.jsp , downloaded 10/2/2003, page 1. |
| AP | W3C, "Voice Extensible Markup Language (VoiceXML) Version 2.0, W3C, www.w3.org, February 20, 2003. |
| AQ | Yahoo!Messenger, "Yahoo!Messenger Talk for Free!", http://messenger.yahoo.com/messenger/help/voicechat.html , downloaded 10/2/2003, pages 1-2. |

| | |
|----------|-----------------|
| Examiner | Date Considered |
|----------|-----------------|

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | | |
|--|---|------------------------|------------|
| Application Data Sheet 37 CFR 1.76 | | Attorney Docket Number | IPVMCP02C3 |
| | | Application Number | |
| Title of Invention | SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION | | |
| <p>The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.</p> | | | |

Secrecy Order 37 CFR 5.2

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

Inventor Information:

| | | | | | |
|---|--------------------|-----------------------------|--------------------|-----------------------------|--------|
| Inventor 1 | | | | | Remove |
| Legal Name | | | | | |
| Prefix | Given Name | Middle Name | Family Name | Suffix | |
| | Kwok | Wai | Cheung | | |
| Residence Information (Select One) <input type="radio"/> US Residency <input checked="" type="radio"/> Non US Residency <input type="radio"/> Active US Military Service | | | | | |
| City | Tai Po | Country of Residence | i | HK | |
| Mailing Address of Inventor: | | | | | |
| Address 1 | 3A, BL 10 | | | | |
| Address 2 | 23 Shan Tong Road | | | | |
| City | Tai Po | State/Province | OT | | |
| Postal Code | | Country | i | HK | |
| Inventor 2 | | | | | Remove |
| Legal Name | | | | | |
| Prefix | Given Name | Middle Name | Family Name | Suffix | |
| | Peter | P. | Tong | | |
| Residence Information (Select One) <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service | | | | | |
| City | Mountain View | State/Province | CA | Country of Residence | US |
| Mailing Address of Inventor: | | | | | |
| Address 1 | 1807 Limetree Lane | | | | |
| Address 2 | | | | | |
| City | Mountain View | State/Province | CA | | |
| Postal Code | 94040 | Country | i | US | |
| Inventor 3 | | | | | Remove |
| Legal Name | | | | | |

| | | | |
|---|---|------------------------|------------|
| Application Data Sheet 37 CFR 1.76 | | Attorney Docket Number | IPVMCP02C3 |
| | | Application Number | |
| Title of Invention | SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION | | |

| | | | | | |
|---|----------------------|---|--------------------|-----------------------------|----|
| Prefix | Given Name | Middle Name | Family Name | Suffix | |
| | C. | Douglass | Thomas | | |
| Residence Information (Select One) | | <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service | | | |
| City | Saratoga | State/Province | CA | Country of Residence | US |
| Mailing Address of Inventor: | | | | | |
| Address 1 | 5150 El Camino Real | | | | |
| Address 2 | Building A, Suite 22 | | | | |
| City | Los Altos | State/Province | CA | | |
| Postal Code | 94022 | Country | i US | | |
| All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button. <input type="button" value="Add"/> | | | | | |

Correspondence Information:

| | | | |
|---|---------------------|--|---|
| Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a). | | | |
| <input type="checkbox"/> An Address is being provided for the correspondence information of this application. | | | |
| Customer Number | 34071 | | |
| Email Address | peter@ipventure.com | <input type="button" value="Add Email"/> | <input type="button" value="Remove Email"/> |

Application Information:

| | | | |
|--|---|--|-------------------------------------|
| Title of the Invention | SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION | | |
| Attorney Docket Number | IPVMCP02C3 | Small Entity Status Claimed | <input checked="" type="checkbox"/> |
| Application Type | | | |
| Subject Matter | | | |
| Total Number of Drawing Sheets (if any) | 4 | Suggested Figure for Publication (if any) | 1 |

Filing By Reference

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

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

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

| | | | |
|---|---|------------------------|------------|
| Application Data Sheet 37 CFR 1.76 | | Attorney Docket Number | IPVMCP02C3 |
| | | Application Number | |
| Title of Invention | SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION | | |

Publication Information:

| | |
|--------------------------|---|
| <input type="checkbox"/> | Request Early Publication (Fee required at time of Request 37 CFR 1.219) |
| <input type="checkbox"/> | Request Not to Publish. I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing. |

Representative Information:

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

| | | | |
|--------------------|--|--|---|
| Please Select One: | <input checked="" type="radio"/> Customer Number | <input type="radio"/> US Patent Practitioner | <input type="radio"/> Limited Recognition (37 CFR 11.9) |
| Customer Number | 34071 | | |

Additional Representative Information blocks may be generated within this form by selecting the **Add** button.

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

| | | | | | |
|--------------------------|-------------------------|--------------------------|--------------------------|---------------|-------------------------|
| Prior Application Status | Pending | | Remove | | |
| Application Number | Continuity Type | Prior Application Number | Filing Date (YYYY-MM-DD) | | |
| | Continuation of | 14272632 | 2014-05-08 | | |
| Prior Application Status | Patented | | Remove | | |
| Application Number | Continuity Type | Prior Application Number | Filing Date (YYYY-MM-DD) | Patent Number | Issue Date (YYYY-MM-DD) |
| 14272632 | Continuation of | 12798995 | 2010-04-14 | 8744407 | 2014-06-03 |
| Prior Application Status | Patented | | Remove | | |
| Application Number | Continuity Type | Prior Application Number | Filing Date (YYYY-MM-DD) | Patent Number | Issue Date (YYYY-MM-DD) |
| 12798995 | Continuation of | 11452115 | 2006-06-12 | 7729688 | 2010-06-01 |
| Prior Application Status | Patented | | Remove | | |
| Application Number | Continuity Type | Prior Application Number | Filing Date (YYYY-MM-DD) | Patent Number | Issue Date (YYYY-MM-DD) |
| 11452115 | Continuation in part of | 11006343 | 2004-12-07 | 7116976 | 2006-10-03 |
| Prior Application Status | Expired | | Remove | | |

| | | | |
|---|---|---------------------------------------|--------------------------|
| Application Data Sheet 37 CFR 1.76 | | Attorney Docket Number | IPVMCP02C3 |
| | | Application Number | |
| Title of Invention | SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION | | |
| Application Number | Continuity Type | Prior Application Number | Filing Date (YYYY-MM-DD) |
| 11006343 | Claims benefit of provisional | 60527565 | 2003-12-08 |
| Prior Application Status | Expired | <input type="button" value="Remove"/> | |
| Application Number | Continuity Type | Prior Application Number | Filing Date (YYYY-MM-DD) |
| 11452115 | Claims benefit of provisional | 60689686 | 2005-06-10 |
| Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button. | | | |

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX) the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

| Application Number | Country | Filing Date (YYYY-MM-DD) | Access Code (if applicable) |
|--------------------|---------|--------------------------|-----------------------------|
| | | | |

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.

NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Authorization to Permit Access:

Authorization to Permit Access to the Instant Application by the Participating Offices

| | | | |
|---|---|------------------------|------------|
| Application Data Sheet 37 CFR 1.76 | | Attorney Docket Number | IPVMCP02C3 |
| | | Application Number | |
| Title of Invention | SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION | | |

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing this Authorization.

Applicant Information:

| | | | |
|--|--|--|--------------|
| Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office. | | | |
| Applicant 1 | | | |
| If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section. | | | |
| <input type="button" value="Clear"/> | | | |
| <input checked="" type="radio"/> Assignee | <input type="radio"/> Legal Representative under 35 U.S.C. 117 | <input type="radio"/> Joint Inventor | |
| <input type="radio"/> Person to whom the inventor is obligated to assign. | | <input type="radio"/> Person who shows sufficient proprietary interest | |
| If applicant is the legal representative, indicate the authority to file the patent application, the inventor is: | | | |
| | | | |
| Name of the Deceased or Legally Incapacitated Inventor : <input type="text"/> | | | |
| If the Applicant is an Organization check here. <input checked="" type="checkbox"/> | | | |
| Organization Name | IpVenture, Inc. | | |
| Mailing Address Information: | | | |
| Address 1 | 5150 El Camino Real | | |
| Address 2 | Building A, Suite 22 | | |
| City | Los Altos | State/Province | CA |
| Country i | US | Postal Code | 94022 |
| Phone Number | 650-903-9200 | Fax Number | 650-903-9800 |

| | | | |
|--|---|------------------------|------------|
| Application Data Sheet 37 CFR 1.76 | | Attorney Docket Number | IPVMCP02C3 |
| | | Application Number | |
| Title of Invention | SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION | | |
| Email Address | | | |
| Additional Applicant Data may be generated within this form by selecting the Add button. | | | |

Assignee Information including Non-Applicant Assignee Information:

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

| | | | | |
|--|------------|----------------|-------------|--------|
| Assignee 1 | | | | |
| Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication. | | | | |
| If the Assignee or Non-Applicant Assignee is an Organization check here <input type="checkbox"/> | | | | |
| Prefix | Given Name | Middle Name | Family Name | Suffix |
| | | | | |
| Mailing Address Information For Assignee including Non-Applicant Assignee: | | | | |
| Address 1 | | | | |
| Address 2 | | | | |
| City | | State/Province | | |
| Country | | Postal Code | | |
| Phone Number | | Fax Number | | |
| Email Address | | | | |
| Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button. | | | | |

Signature:

| | | | | | |
|---|-----------------|-----------|------|---------------------|-------|
| NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications | | | | | |
| Signature | /Peter P. Tong/ | | | | |
| First Name | Peter | Last Name | Tong | Registration Number | 35757 |
| Additional Signature may be generated within this form by selecting the Add button. | | | | | |

STATEMENT UNDER 37 CFR 3.73(c)Applicant/Patent Owner: IpVenture, Inc.Application No./Patent No.: Not Yet Assigned Filed/Issue Date: HerewithTitled: SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATIONIpVenture, Inc., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that, for the patent application/patent identified above, it is (choose **one** of options 1, 2, 3 or 4 below):

1. The assignee of the entire right, title, and interest.
2. An assignee of less than the entire right, title, and interest (check applicable box):
- The extent (by percentage) of its ownership interest is _____%. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.
- There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

3. The assignee of an undivided interest in the entirety (a complete assignment from one of the joint inventors was made). The other parties, including inventors, who together own the entire right, title, and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

4. The recipient, via a court proceeding or the like (e.g., bankruptcy, probate), of an undivided interest in the entirety (a complete transfer of ownership interest was made). The certified document(s) showing the transfer is attached.

The interest identified in option 1, 2 or 3 above (not option 4) is evidenced by either (choose **one** of options A or B below):

- A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 024105, Frame 0774, or for which a copy thereof is attached.
- B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

[Page 1 of 2]

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**

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

STATEMENT UNDER 37 CFR 3.73(c)

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

4. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

5. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

6. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet(s).

As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/Peter P. Tong/ _____

Signature

Peter P. Tong

Printed or Typed Name

October 26, 2015

Date

35757

Title or Registration 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.

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number
14/922,344

APPLICATION AS FILED - PART I

| | | (Column 1) | (Column 2) | SMALL ENTITY | | OR | OTHER THAN SMALL ENTITY | |
|---|---|--------------|--------------|--------------|---------|----|-------------------------|---------|
| FOR | | NUMBER FILED | NUMBER EXTRA | RATE(\$) | FEE(\$) | | RATE(\$) | FEE(\$) |
| BASIC FEE (37 CFR 1.16(a), (b), or (c)) | | N/A | N/A | N/A | 70 | | N/A | |
| SEARCH FEE (37 CFR 1.16(k), (l), or (m)) | | N/A | N/A | N/A | 300 | | N/A | |
| EXAMINATION FEE (37 CFR 1.16(o), (p), or (q)) | | N/A | N/A | N/A | 360 | | N/A | |
| TOTAL CLAIMS (37 CFR 1.16(i)) | | 5 | minus 20 = | x 40 = | 0.00 | OR | | |
| INDEPENDENT CLAIMS (37 CFR 1.16(h)) | | 1 | minus 3 = | x 210 = | 0.00 | OR | | |
| APPLICATION SIZE FEE (37 CFR 1.16(s)) | If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). | | | | 0.00 | | | |
| MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j)) | | | | | 0.00 | | | |
| * If the difference in column 1 is less than zero, enter "0" in column 2. | | | | TOTAL | 730 | | TOTAL | |

APPLICATION AS AMENDED - PART II

| | | (Column 1) | (Column 2) | (Column 3) | SMALL ENTITY | | OR | OTHER THAN SMALL ENTITY | |
|---|---------------------------------|----------------------------------|------------------------------------|---------------|--------------|--------------------|----|-------------------------|--------------------|
| AMENDMENT A | | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE(\$) | ADDITIONAL FEE(\$) | | RATE(\$) | ADDITIONAL FEE(\$) |
| | Total (37 CFR 1.16(i)) | * | Minus ** | ** | x | = | OR | x | = |
| | Independent (37 CFR 1.16(h)) | * | Minus *** | *** | x | = | OR | x | = |
| Application Size Fee (37 CFR 1.16(s)) | | | | | | | OR | | |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) | | | | | | | OR | | |
| TOTAL ADD'L FEE | | | | | | | OR | TOTAL ADD'L FEE | |
| AMENDMENT B | | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE(\$) | ADDITIONAL FEE(\$) | | RATE(\$) | ADDITIONAL FEE(\$) |
| | Total (37 CFR 1.16(i)) | * | Minus ** | ** | x | = | OR | x | = |
| | Independent (37 CFR 1.16(h)) | * | Minus *** | *** | x | = | OR | x | = |
| Application Size Fee (37 CFR 1.16(s)) | | | | | | | OR | | |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) | | | | | | | OR | | |
| TOTAL ADD'L FEE | | | | | | | OR | TOTAL ADD'L FEE | |
| <p>* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.</p> | | | | | | | | | |



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| APPLICATION NUMBER | FILING or 371(c) DATE | GRP ART UNIT | FIL FEE REC'D | ATTY. DOCKET NO | TOT CLAIMS | IND CLAIMS |
|--------------------|-----------------------|--------------|---------------|-----------------|------------|------------|
| 14/922,344 | 10/26/2015 | | 730 | IPVMCP02C3 | 5 | 1 |

CONFIRMATION NO. 9763

FILING RECEIPT



34071
IPVENTURE, INC.
5150 EL CAMINO REAL
SUITE A-22
LOS ALTOS, CA 94022

Date Mailed: 11/05/2015

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

Kwok Wai Cheung, Tai Po, HONG KONG;
Peter P. Tong, Mountain View, CA;
C. Douglass Thomas, Saratoga, CA;

Applicant(s)

IpVenture, Inc., Los Altos, CA;

Power of Attorney: The patent practitioners associated with Customer Number 34071

Domestic Priority data as claimed by applicant

This application is a CON of 14/272,632 05/08/2014
which is a CON of 12/798,995 04/14/2010 PAT 8744407
which is a CON of 11/452,115 06/12/2006 PAT 7729688
which is a CIP of 11/006,343 12/07/2004 PAT 7116976
which claims benefit of 60/527,565 12/08/2003
and said 11/452,115 06/12/2006
claims benefit of 60/689,686 06/10/2005

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access - A proper **Authorization to Permit Access to Application by Participating Offices** (PTO/SB/39 or its equivalent) has been received by the USPTO.

If Required, Foreign Filing License Granted: 11/04/2015

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/922,344**

Projected Publication Date: 02/11/2016

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION

Preliminary Class

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

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| APPLICATION NUMBER | FILING OR 371(C) DATE | FIRST NAMED APPLICANT | ATTY. DOCKET NO./TITLE |
|--------------------|-----------------------|-----------------------|------------------------|
| 14/922,344 | 10/26/2015 | Kwok Wai Cheung | IPVMCP02C3 |

CONFIRMATION NO. 9763

34071
IPVENTURE, INC.
5150 EL CAMINO REAL
SUITE A-22
LOS ALTOS, CA 94022

PUBLICATION NOTICE



Title:SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION

Publication No.US-2016-0044474-A1

Publication Date:02/11/2016

NOTICE OF PUBLICATION OF APPLICATION

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

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

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|-----------------|-------------|----------------------|---------------------|------------------|
| 14/922,344 | 10/26/2015 | Kwok Wai Cheung | IPVMCP02C3 | 9763 |

34071 7590 04/27/2016
IPVENTURE, INC.
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| EXAMINER |
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DOAN, KIET M.

| ART UNIT | PAPER NUMBER |
|----------|--------------|
| 2641 | |

| MAIL DATE | DELIVERY MODE |
|------------|---------------|
| 04/27/2016 | PAPER |

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.

DETAILED ACTION

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

Information Disclosure Statement

The information disclosure statement (IDS) submitted on 10/26/2015. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Drawings

The drawings were received on 10/26/2015 these drawing are acceptable by the examiner.

Double Patenting

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

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

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claim 1 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1 and 11 of US Patent 9,204,268 B2; over claims 1, 8, 24, 39 and 53 of US Patent 8,744,407 B2; over claims 1, 10 and 17 of US Patent 7,729,688 B2 and over claims 1, 2, 7 and 9 of US Patent 7, 116,976 B2 Although the conflicting claims are not identical, they are not patentably distinct from each other because claim 1 limitation are found in claims 1 and 11 of US Patent 9,204,268 B2; claims 1, 8, 24, 39 and 53 of US Patent 8,744,407 B2; claims 1, 10 and 17 of US Patent 7,729,688 B2 and claims 1, 2, 7 and 9 of US Patent 7, 116,976 B2 with obvious wording variation such as they all drawn to receiving the message conveyed from the first device; identifying an identity of the person trying to electronically convey the message; identifying contact information of the person trying to electronically convey the message.

It is important to note that claimed features recited in claims 1 and 11 of US Patent 9,204,268 B2; claims 1, 8, 24, 39 and 53 of US Patent 8,744,407 B2; claims 1, 10 and 17 of US Patent 7,729,688 B2 and claims 1, 2, 7 and 9 of US Patent 7, 116,976 B2 are more specific than claimed features recited in claim 1 of the instant application. Hence, the scope of claims of present application is now broader than US Patent 9,204,268 B2; US Patent 8,744,407 B2; US Patent 7,729,688 B2 and claims 1, 2, 7 and US Patent 7, 116,976 B2.

Many decisions support the fact that a broad or generic claim is obvious from a specific claim, i.e., an obvious variation. See *In re Van Ornum and Stang*, 214 USPQ 761 (CCPA 1982); *In re Goodman* (CA FC) 29 USPQ2d 2010 (12/3/1993); *In re Vogel and Vogel*; 164 USPQ 619 (CCPA 1970); *In re Berg* (CA FC) 46 USPQ2d 1226 (3/30/1998); *Eli Lilly and Co. v. Barr Laboratories Inc.*, 58 USPQ2d 1865 (CA FC 2001). It is well settled that omission of an element and its function in a combination is an obvious expedient if the remaining elements perform the same functions as before. This notion is supported by *In re KARLSON*, 136 USPQ 184 (1963); *In re Nelson*, 95 USPQ 82 (CCPA 1952); and *In re Eliot*, 25 USPQ 111 (CCPA 1935).

Claim Rejections - 35 USC § 103

The following is a quotation of pre-AIA 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, 2, 4 and 5 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Pepper et al. (US 5,930,700) in view of Hayes-Roth (US 2005/0038690 A1).

Regarding claim 1, an article for managing communication of a user, in view of a first device of a person trying to electronically convey a message from the first device to a second device of the user, the article comprising: a non-transitory computer readable

Art Unit: 2641

storage medium comprising a plurality of instructions, when executed by a server, result in the server:

receiving the message conveyed from the first device (Col.3, lines 48-51 teach subscriber enter list of schedule and list of client into his/her communication device/PDA);

identifying an identity of the person trying to electronically convey the message (Col.3, lines 18-20, Col.5, lines 55-60, Col.6, lines 12-25 teach received call form caller and determine the original call);

identifying contact information of the person trying to electronically convey the message (fig. 10, illustrate and teach the identify the incoming call from George Heilmeier);

determining whether the user is available to receive the message (Col.6, lines 30-44 teach base on schedule the user is available to receive the message);

setting a process for the message, using one or more rules, based on at least a current status associated with the user, a preference of the user, and an access priority associated with the person (Col.4, lines 62-67, Col.5, lines 1-18, Col.9, lines 11-30, Col.10, lines 47-67, Col.11, lines 1-16 teach determine the priority of caller/client's call and setting or instruct the high/most priority call route to subscriber/user and the less priority route to voice mail or prefer number).

Pepper is silent on

sending information to the first device as to whether the user is available to receive the message.

In an analogous art, Hayes-Roth teaches sending information to the first device as to whether the user is available to receive the message (Paragraph [0010], [0024] teach HUA system that set up and/or scheduling whether the user is available to receive the message).

Therefore, it would have been obvious to one of ordinary skill in the art at the time that the invention was made to modify Pepper with Hayes-Roth's system such that receiving the message conveyed from the first device, identify the caller, setting access priority and sending the information to the caller whether the user is available to receive the message in order to provide an privacy and the available when the user available to communication.

Regarding claim 2, the combination of Pepper and Hayes-Roth teach an article as recited in claim 1, Pepper teaches wherein the message is conveyed from the first device based on Internet protocol, wherein the process allows the user to receive the message via an access identifier of the user, wherein the process allows the message to be conveyed from the first device via a set of modes of communication, wherein the set of modes of communication includes at least instant message and voice call, and wherein the user has different access identifiers for at least two of the modes in the set of modes (Col.3, lines 15-30, Col.6, lines 30-50, fig.10 and fig.11 Illustrate and described).

Regarding claim 4, the combination of Pepper and Hayes-Roth teach an article as recited in claim 1, Pepper teaches wherein the process includes presenting at the second device, the identity of the person (fig. 10 illustrate and described).

Regarding claim 5, the combination of Pepper and Hayes-Roth teach an article as recited in claim 1, Pepper teaches wherein the process includes determining a reply to the message in view of the current status of the user (Col.11, lines 1-15).

Claim 3 is rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Pepper et al. (US 5,930,700) in view of Hayes-Roth (US 2005/0038690 A1) and further view of Davis et al. (US 2005/0020288 A1).

Regarding claim 3, the combination of Pepper and Hayes-Roth teach an article as recited in claim 1, **but is silent on** wherein the message conveyed from the first device is a text message, and wherein the process includes converting the text message to voice if the message is to be presented as a voice message by the second device to the user, in view at least of the preference of the user.

In an analogous art, Davis teaches
wherein the message conveyed from the first device is a text message, and wherein the process includes converting the text message to voice if the message is to be presented as a voice message by the second device to the user, in view at least of the preference of the user (Paragraph [0012] teach received text message and converting text to voice).

Therefore, it would have been obvious to one of ordinary skill in the art at the time that the invention was made to modify Pepper and Hayes-Roth and Davis's system such that converting the text message to voice in order to provide the convenient and safeguard when communication.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KIET DOAN whose telephone number is (571)272-7863. The examiner can normally be reached on 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Appiah can be reached on 571-272-7904. 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.

/KIET DOAN/
Primary Examiner, Art Unit 2641

Application/Control Number: 14/922,344
Art Unit: 2641

Page 9

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|-----------------------------------|---------------------------------------|---|-------------|
| Notice of References Cited | Application/Control No. 14/922,344 | Applicant(s)/Patent Under Reexamination CHEUNG ET AL. | |
| | Examiner KIET DOAN | Art Unit 2641 | Page 1 of 1 |

U.S. PATENT DOCUMENTS

| * | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Name | CPC Classification | US Classification |
|---|--|-----------------|-----------------------|--------------------|-------------------|
| * | A US-2005/0038690 A1 | 02-2005 | Hayes-Roth, Frederick | G06Q10/109 | 705/7.18 |
| * | B US-2005/0020288 A1 | 01-2005 | Davis, Brent L. | H04M3/53308 | 455/466 |
| C | US- | | | | |
| D | US- | | | | |
| E | US- | | | | |
| F | US- | | | | |
| G | US- | | | | |
| H | US- | | | | |
| I | US- | | | | |
| J | US- | | | | |
| K | US- | | | | |
| L | US- | | | | |
| M | US- | | | | |


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

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

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

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|--|--|---|
| Search Notes  | Application/Control No. 14922344 | Applicant(s)/Patent Under Reexamination CHEUNG ET AL. |
| | Examiner KIET DOAN | Art Unit 2641 |

| CPC- SEARCHED | | |
|---------------|-----------|----------|
| Symbol | Date | Examiner |
| | 4/25/2016 | |
| H04M1/64 | | KD |
| G06Q10/109 | | KD |

| CPC COMBINATION SETS - SEARCHED | | |
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| Symbol | Date | Examiner |
| | | |

| US CLASSIFICATION SEARCHED | | | |
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| Class | Subclass | Date | Examiner |
| | | 4/25/2016 | |
| 455 | 445 | | KD |
| | 463 | | KD |
| | 411 | | KD |
| | 412.1 | | KD |
| | 412.2 | | KD |
| | 466 | | KD |
| 370 | 495 | | KD |
| | 276 | | KD |
| | 286 | | KD |
| | 259 | | KD |
| | 468 | | KD |
| | 426 | | KD |
| 455 | 414 | | KD |

| SEARCH NOTES | | |
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| Search Notes | Date | Examiner |
| | 4/25/2016 | |
| Inventor search | | KD |
| Eats search | | KD |

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SEARCH NOTES

| Search Notes | Date | Examiner |
|--|------|----------|
| (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and text\$3 near2 voice\$1 and @ad<"20031010" | | KD |
| (server (base near station)) with (send\$3 transmit\$3) with (info information message\$1 text) with (wife (girl near friend\$1) love\$2 boss (boy adj friend\$1) friend\$1 spouse) and text near1 voice | | KD |
| (H04N21/458 OR G06Q10/109 OR G06Q10/1093 OR G06Q50/01 OR H04L2012/6481 OR H04L12/581 OR H04M1/663 OR H04M7/0033 OR H04M2203/2072 OR H04M1/64 OR H04M1/72513 OR H04M1/72566 OR H04M3/432 OR H04M3/565).CPC. | | KD |
| (server (base near station) computer) with (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and text near1 voice | | KD |
| (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and priority and schedul\$3 and (id identif\$3) with call\$3 and (id identif\$3) with (message\$1 text) | | KD |

INTERFERENCE SEARCH

| US Class/ CPC Symbol | US Subclass / CPC Group | Date | Examiner |
|-------------------------|-------------------------|-----------|----------|
| | | 4/25/2016 | |
| 709 | 228 | | KD |

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| Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary) | Atty. Docket No. | IPVMCP02C3 |
| | Application No.: | Not Yet Assigned 14922344 - GAU: 2641 |
| | Applicant | CHEUNG et al. |
| | Filing Date | Herewith 10/26/2015 |
| | Group | Not Yet Assigned 14922344 - GAU: 2641 |
| | | Page 1 of 6 |

U.S. Patent Documents

| Examiner Initial | No. | Patent No. | Date | Patentee | Class | Sub-class | Filing Date |
|------------------|-------------|-----------------|--------|----------------------|------------|-----------|-------------|
| | 1. | 2001/0011014 A1 | Aug-01 | Higuchi et al. | | | |
| | 2. | 2001/0028709 A1 | Oct-01 | Makela et al. | | | |
| | 3. | 2001/0031633 A1 | Oct-01 | Tuomela et al. | | | |
| | 4. | 2002/0067806 A1 | Jun-02 | Rodriguez et al. | | | |
| | 5. | 2002/0073207 A1 | Jun-02 | Widger et al. | | | |
| | 6. | 2002/0094067 A1 | Jul 02 | August | | | |
| | 7. | 2002/0142756 A1 | Oct-02 | Rutledge et al. | | | |
| | 8. | 2003/0039339 A1 | Feb-03 | Luehrig et al. | | | |
| | 9. | 2003/0041048 A1 | Feb-03 | Balasuriya | | | |
| | 10. | 2003/0103600 A1 | Jun-03 | Potter | | | |
| | 11. | 2003/0105854 A1 | Jun-03 | Thorsteinsson et al. | | | |
| | 12. | 2003/0112948 A1 | Jun-03 | Brown et al. | | | |
| | 13. | 2003/0129968 A1 | Jul-03 | Earl | | | |
| | 14. | 2003/0191676 A1 | Oct-03 | Templeton | | | |
| | 15. | 2003/0191814 A1 | Oct-03 | Tran | | | |
| | 16. | 2003/0232629 A1 | Dec-03 | Jang et al. | | | |
| | 17. | 2004/0024882 A1 | Feb-04 | Austin et al. | | | |
| | 18. | 2004/0072585 A1 | Apr-04 | Le et al. | | | |
| | 19. | 2004/0122979 A1 | Jun-04 | Kirkland | | | |
| | 20. | 2004/0203919 A1 | Oct-04 | Ross et al. | | | |
| | 21. | 2005/0037785 A1 | Feb-05 | Chen | | | |
| | 22. | 2005/0071253 A1 | Mar-05 | Yang | | | |
| | 23. | 2005/0107130 A1 | May-13 | Peterson II | | | |
| | 24. | 2005/0136955 A1 | Jun-05 | Mumick et al. | | | |
| | 25. | 2005/0191994 A1 | Sep-05 | May et al. | | | |
| | 26. | 2005/0192061 A1 | Sep-05 | May et al. | | | |
| | 27. | 2005/0273327 A1 | Dec-05 | Krishnan | | | |
| Examiner | /Kiet Doan/ | | | Date Considered | 04/23/2016 | | |

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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| | | |
|--|------------------|---------------------------------------|
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| | Application No.: | Not Yet Assigned 14922344 - GAU: 2641 |
| | Applicant | CHEUNG et al. |
| | Filing Date | Herewith 10/26/2015 |
| | Group | Not Yet Assigned 14922344 - GAU: 2641 |
| | | Page 2 of 6 |

| | | | | | | |
|-----|-----------------|--------|------------------|--|--|--|
| 28. | 2005/0027385 A1 | Feb-05 | Yuch | | | |
| 29. | 2006/0003803 A1 | Jan-06 | Thomas et al. | | | |
| 30. | 2006/0239419 A1 | Oct-06 | Joseph et al. | | | |
| 31. | 2006/0259565 A1 | Nov-06 | Cheung et al. | | | |
| 32. | 2006/0276210 A1 | Dec-06 | Thomas et al. | | | |
| 33. | 2006/0288099 A1 | Dec-06 | Jefferson et al. | | | |
| 34. | 2007/0047522 A1 | Mar-07 | Jefferson et al. | | | |
| 35. | 2007/0238474 A1 | Oct-07 | Ballas | | | |
| 36. | 2008/0261636 A1 | Oct-08 | Lau et al. | | | |
| 37. | 2010/0205272 A1 | Aug-10 | Cheung et al. | | | |
| 38. | 2011/0151852 A1 | Jun-11 | Olincy et al. | | | |
| 39. | 2014/0242956 A1 | Aug-14 | Cheung et al. | | | |
| 40. | 2014/0256293 A1 | Sep-14 | Thomas et al. | | | |
| 41. | 5,425,516 | Jun-95 | Daines | | | |
| 42. | 5,548,636 | Aug-96 | Bannister et al. | | | |
| 43. | 5,758,079 | May-98 | Ludwig et al. | | | |
| 44. | 5,828,731 | Oct-98 | Szlam et al. | | | |
| 45. | 5,930,700 | Jul-99 | Pepper et al. | | | |
| 46. | 5,970,388 | Oct-99 | Will | | | |
| 47. | 6,119,022 | Sep-00 | Osborn et al. | | | |
| 48. | 6,327,628 B1 | Dec-01 | Anuff et al. | | | |
| 49. | 6,359,982 B1 | Mar-02 | Szlam | | | |
| 50. | 6,463,462 B1 | Oct-02 | Smith et al. | | | |
| 51. | 6,577,859 B1 | Jun-03 | Zahavi et al. | | | |
| 52. | 6,636,888 B1 | Oct-03 | Bookspan et al. | | | |
| 53. | 6,665,534 B1 | Dec-03 | Conklin et al. | | | |
| 54. | 6,788,766 B2 | Sep-04 | Logan | | | |
| 55. | 6,801,793 B1 | Oct-04 | Aarnio et al. | | | |
| 56. | 6,816,578 B1 | Nov-04 | Kredo et al. | | | |

| | | | |
|----------|-------------|-----------------|------------|
| Examiner | /Kiet Doan/ | Date Considered | 04/23/2016 |
|----------|-------------|-----------------|------------|

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| | Group | Not Yet Assigned 14922344 - GAU: 2641 |
| | | Page 3 of 6 |

| | | | | | | |
|-----|--------------|--------|-----------------|--|--|--|
| 57. | 6,819,757 B1 | Nov-04 | Cook et al. | | | |
| 58. | 6,819,945 B1 | Nov-04 | Chow et al. | | | |
| 59. | 6,978,136 B2 | Dec-05 | Jenniges et al. | | | |
| 60. | 7,010,288 B2 | Mar-06 | Brown et al. | | | |
| 61. | 7,010,332 B1 | Mar-06 | Irvin et al. | | | |
| 62. | 7,027,842 B2 | Apr-06 | Zhang et al. | | | |
| 63. | 7,043,261 B1 | May-07 | Krishnan | | | |
| 64. | 7,072,452 B1 | Jul-06 | Roberts et al. | | | |
| 65. | 7,085,253 B2 | Aug-06 | Yang | | | |
| 66. | 7,107,010 B2 | Sep-06 | Heinonen et al. | | | |
| 67. | 7,110,963 B2 | Sep-06 | Negreiro | | | |
| 68. | 7,111,044 B2 | Sep-06 | Lee | | | |
| 69. | 7,116,976 B2 | Oct-06 | Thomas et al. | | | |
| 70. | 7,188,073 B1 | Mar-07 | Tam et al. | | | |
| 71. | 7,224,775 B1 | May-07 | Shaffer et al. | | | |
| 72. | 7,376,434 B2 | May-08 | Thomas et al. | | | |
| 73. | 7,403,972 B1 | Jul-08 | Lau et al. | | | |
| 74. | 7,729,688 B2 | Jun-10 | Cheung et al. | | | |
| 75. | 7,792,552 B2 | Sep-10 | Thomas et al. | | | |
| 76. | 7,890,128 B1 | Feb-11 | Thomas et al. | | | |
| 77. | 8,112,104 B1 | Feb-12 | Thomas et al. | | | |
| 78. | 8,280,419 A1 | Oct-12 | Thomas et al. | | | |
| 79. | 8,737,978 A1 | May-14 | Thomas et al. | | | |

Foreign Documents

| Init. | Document No. | Date | Country | Class | Subclass | Translation | |
|-------|----------------|--------|---------|-------|----------|-------------|----|
| | | | | | | Yes | No |
| | WO 01/45343 A2 | Jun-01 | PCT | | | | |
| | CN 1453981 | Nov-03 | China | | | | |

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| | Group | Not Yet Assigned 14922344 - GAU: 2641 |
| | | Page 4 of 6 |

| Other Documents (Including Author, Title, Date, Pertinent Pages, etc.) | |
|--|---|
| A | Notice of Allowance for U.S. Patent Application No. 12/798,995 dated September 29, 2011. |
| B | Notice of Allowance for U.S. Patent Application No. 12/798,995 dated January 3, 2012. |
| C | Notice of Allowance for U.S. Patent Application No. 12,798,995, dated October 3, 2012. |
| D | Notice of Allowance for U.S. Patent Application No. 12/798,995, dated October 30, 2013. |
| E | Notice of Allowance for U.S. Patent Application No. 12/798,995, dated February 20, 2014. |
| F | Office Action for U.S. Patent Application No. 14/272,632, dated July 27, 2015. |
| G | Notice of Allowance for U.S. Patent Application No. 14/272,632, dated September 18, 2015. |
| H | First Office Action for CN Patent Application No. 200680027964.9, dated March 26, 2010 (17 pages). |
| I | Second Office Action for CN Patent Application No. 200680027964.9, dated October 25, 2010 (14 pages). |
| J | Third Office Action for CN Patent Application No. 200680027964.9, dated April 8, 2011 (11 pages). |
| K | Notice of Rejection for CN Patent Application No. 200680027964.9, dated January 6, 2012 (11 pgs.) |
| L | "Company Overview", http://www.fastmobile.com/company_overview.html , downloaded 11/5/2003, p. 1. |
| M | "Introducing the Tellme Voice Application Network", Tellme, http://www.tellme.com/products/ , downloaded 10/2/2003, page 1. |
| N | "Iotum History," Iotum Corp., http://iotum.com/simplyrelevant/2006/04/03/iotum-history/ , downloaded May 15, 2006, pages 1-4. |
| O | "messaging", Vodafone Group, 2001, http://www.vodafone.co.nz/business/10.2.3_messaging.jsp , downloaded 10/14/2003, pages 1-2. |
| P | "Microsoft Windows Messenger: Go Beyond Text with Voice & Video Chats", Dell Inc., http://www.dell.com/us/en/dhs/topics/segtopic_002_xp_im.htm , downloaded 10/2/2003, pages 1-2. |
| Q | "Microsoft Windows Messenger: Instantly Communicate with Family and Friends Messenger", Dell Inc., http://www.dell.com/us/en/dhs/topics/segtopic_001_xp_im.htm , downloaded 10/2/2003, pages 1-3. |
| R | "Our Solution," Iotum Corp., http://www.iotum.com/our_solution.php , downloaded May 15, 2006, pages 1-2. |

| | | | |
|----------|-------------|-----------------|------------|
| Examiner | /Kiet Doan/ | Date Considered | 04/23/2016 |
|----------|-------------|-----------------|------------|

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| | Group | Not Yet Assigned 14922344 - GAU: 2641 |
| | | Page 5 of 6 |

| | | | |
|----------|--|-----------------|------------|
| S | "Short Message Service/Interactive Voice Response (SMS/IVR), Lucent Technologies, 2003, pages 1-2. | | |
| T | "text messaging", Vodafone Group, 2001, Vodafone - Services, "All about text messaging", http://www.vodafone.co.nz/services/07.a.1_two_way_messaging.jsp?hd=4yourbusiness&... , downloaded 10/14/2003, pages 1-2. | | |
| U | "We bring relevance to communications," Cnet News, Ina Fried, July 21, 2005, pages 1-2. | | |
| V | Appenzeller, et al., "The Mobile People Architecture", Technical Report: CSL-TR-00000, Computer Systems Laboratory, Departments of Electrical Engineering and Computer Science, Stanford University, January 1999, pages 1-13. | | |
| W | BlackBerry, "Voice and SMS", http://www.blackberry.com/products/service/voices_sms.shtml?DCPID=hmsvoice downloaded 10/2/2003, page 1. | | |
| X | Calsyn, Martin and Desseault, Lisa, "Presence Information Protocol Requirements," Internet Draft, February 9, 1998, pages 1-27. | | |
| Y | Emergin Inc., "Emergin WirelessOffice 5.0", http://www.emergin.com/?source=overture , downloaded 10/2/2003, page 1. | | |
| Z | fastmobile Inc., "Dialog GSM launches Push 'n' Talk walkie talkie service Push to Talk over Cellular Now in Sri Lanka Dialog GSM Pioneers Latest GSM Advancement", Press Release, December 1, 2004, pages 1-2. | | |
| AA | fastmobile, "fastmobile's fastchat™ Instant Communications Application is Coming to Thousands of Mobile Phone Retail Stores Nationwide", fastmobile Press Release, September 15, 2003, pages 1-3. | | |
| AB | IMBOT, Press Release, "IMBOT offers new Text 2 Voice Service Text 2 Voice service enables wireless customers to send voice messages from 2-Way devices", October 29, 2001, pages 1-2. | | |
| AC | Internet Traveler, "Welcome to the Inter.Net Communicator Tour!", http://www.inter.net/traveler/tour/communicator_messaging.php , downloaded 10/14/2003, p. 1. | | |
| AD | J. Rosenberg, H. Schulzrinne, Internet Draft, "SIP For Presence," http://www.alternic.org/drafts/drafts-r-s/draft-rosenberg=sip-pip-00.txt , November 13, 1998, Bell Laboratories, Columbia, pages 1-31. | | |
| AE | Joseph, Anthony D. et al., "The Case for Services over Cascaded Networks", EECS Department, CS Division, University of California, Berkeley, http://iceberg.cs.berkeley.edu/ , International Conference on Wireless and Mobile Multimedia 1998, pages 1-9. | | |
| AF | MobileShop, "SMS - also known as text messaging", http://www.mobileshop.org/howitworks.sms.htm , downloaded October 14, 2003, pages 1-2. | | |
| Examiner | /Kiet Doan/ | Date Considered | 04/23/2016 |

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| | Filing Date | Herewith 10/26/2015 |
| | Group | Not Yet Assigned 14922344 - GAU: 2641 |
| | | Page 6 of 6 |

| | |
|----|---|
| AG | Schulzrinne, H. et al., RPID: Rich Presence Extensions to the Presence Information Data Format (PIDF), draft-ietf-simple-rpid-06.txt, June 2, 2005, http://www1.ietf.org/mail-archive/web/simple/current/msg05398.html , downloaded November 15, 2006, pages 1-35. |
| AH | Schulzrinne, H. et al., RPID: Rich Presence Extensions to the Presence Information Data Format (PIDF), draft-ietf-simple-rpid-10.txt, December 20, 2005, pages 1-41. |
| AI | Schulzrinne, H. et al., RPID: Rich Presence Extensions to the Presence Information Data Format (PIDF), draft-ietf-simple-rpid-10.txt, December 4, 2005, pages 1-35. |
| AJ | Sonim Technologies, Inc., "Integrated voice and text messaging over GPRS showcased jointly by Sonim, Symbian and Texas Instruments", Sonim Press Release, December 2, 2002, pages 1-2. |
| AK | Symbian Ltd., "Symbian OS Version 7.0: Functional description", Revision 1.5, February 2003, pages 1-24. |
| AL | Symbian Ltd., "Symbian OS Version 7.0s: Functional description", Revision 2.1, June 2003, pages 1-29. |
| AM | Symbian Ltd., "Technology: Creating Symbian OS phones", http://www.symbian.com/technology/create-symb-OS-phones.html , downloaded 11/5/2003, page 1-8. |
| AN | Symbian Ltd., "Technology: Why is a different operating system needed", http://www.symbian.com/technology/why-diff-os.html , downloaded 11/5/2003, pages 1-5. |
| AO | Verizon Wireless, "TXT messaging", http://www.vtext.com/customer_site/jsp/messaging_lo.jsp , downloaded 10/2/2003, page 1. |
| AP | W3C, "Voice Extensible Markup Language (VoiceXML) Version 2.0, W3C, www.w3.org, February 20, 2003. |
| AQ | Yahoo!Messenger, "Yahoo!Messenger Talk for Free!", http://messenger.yahoo.com/messenger/help/voicechat.html , downloaded 10/2/2003, pages 1-2. |

| | | | |
|----------|-------------|-----------------|------------|
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EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|---------------------|
| L1 | 367 | (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and priority and schedul\$3 and (id identif\$3) with call\$3 and (id identif\$3) with (message\$1 text) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/25 14:30 |
| L2 | 148 | (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and priority and schedul\$3 and (id identif\$3) with call\$3 and (id identif\$3) with (message\$1 text) and @ad< "20031010" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/25 14:30 |
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| S2 | 40 | ("20020067806" "20020094067" "20030041048" "20030103600" "20030129968" "20030232629" "20040024882" "20040122979" "20050037785" "20050071253" "20050191994" "20050192061" "20050273327" "20060288099" "20070047522" "5548636" "5758079" "5786893" "5828731" "5930700" "5970388" "6119022" "6463462" "6577859" "6636888" "6665534" "6801793" "6816578" "6819757" "6978136" "7010288" "7010332" "7027842" "7043261" "7072452" "7085253" "7107010" "7111044" "7116976" "7376434" "8816578").FN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/09/20 11:36 |
| S3 | 0 | (server (base near station) computer) with access with priority same (boss wife friend\$1 love\$2 family) and (server (base near station) computer) with (trasmit\$4 send\$3 forward\$4) with (message\$1 text voice) and (id identif\$4) near1 caller | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 12:03 |
| S4 | 32 | (server (base near station) computer) with access with priorit\$3 and (server (base near station) computer) with (trasmit\$4 send\$3 forward\$4) with (message\$1 text voice) and (id identif\$4) near1 caller | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 12:03 |
| S5 | 0 | (server (base near station) computer) with access near2 priorit\$3 and (server (base near station) computer) with (id identif\$4 verif\$3) near1 caller and (wife (girl near friend\$1) wife love\$2 boss) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 12:10 |

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|-----|-----|---|---|----|-----|------------------|
| S6 | 1 | (server (base near station) computer) with access near2 priorit\$3 and (server (base near station) computer) near2 (id identif\$4 verif\$3) and (wife (girl near friend\$1) wife love\$2 boss) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 12:10 |
| S7 | 367 | (server (base near station) computer) with access near2 priorit\$3 and (server (base near station) computer) with (id identif\$4 verif\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 12:11 |
| S8 | 9 | S7 and (server (base near station) computer) with (block\$4 stop\$3 inhibit) with (information data location position) and restrict\$3 with access\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 12:13 |
| S9 | 191 | S7 and (block\$4 stop\$3 inhibit restrict\$3) with access\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 12:19 |
| S10 | 725 | (server (base near station) computer) with access\$3 with priorit\$3 and (wife (girl near friend\$1) wife love\$2 boss client\$1 family friend\$1) and restrict\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 12:29 |
| S11 | 141 | (server (base near station) computer) with access\$3 with priorit\$3 and (wife (girl near friend\$1) love\$2 boss client\$1 family friend\$1) and restrict\$3 and (inhibi\$4 (not\$3 near\$1 allow\$3) stop\$3) with (transmit\$3 send\$3 forward\$3) with message\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 12:32 |
| S12 | 5 | ("20010009858" "20010051514" "20020101979" "5862485" "6208728").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/09/20 12:48 |
| S13 | 1 | "7039176".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/09/20 12:51 |
| S14 | 13 | ("20010011228" "5479487" "5822306" "5903641" "5982873" "6046762" "6163607" "6173053" "6230197" "6233332" "6263066" "6487291" "6570980").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/09/20 12:51 |
| S15 | 419 | (server (base near station) computer) with access\$3 with priorit\$3 and (wife (girl near friend\$1) love\$2 boss client\$1 family friend\$1) and (restrict\$3 inhibi\$4 (not\$3 near\$1 allow\$3) stop\$3) with message\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 12:54 |
| S16 | 35 | (server (base near station) computer) with access\$3 with priorit\$3 and (wife (girl near friend\$1) love\$2 boss client\$1 family friend\$1) and (restrict\$3 inhibi\$4 (not\$3 near\$1 allow\$3) stop\$3) with message\$1.clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 12:55 |
| S17 | 11 | (server (base near station) computer) with access\$3 with priorit\$3 and (wife (girl near friend\$1) love\$2 boss family friend\$1) and (restrict\$3 inhibi\$4 (not\$3 near\$1 allow\$3) stop\$3) with | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 12:57 |

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| | | message\$1.clm. | | | | |
| S18 | 130 | (server (base near station) computer with access\$3 with priorit\$3 and (wife (girl near friend\$1) love\$2 boss family friend\$1) and (restrict\$3 inhibi\$4 (not\$3 near\$1 allow\$3) stop\$3) with message\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 12:57 |
| S19 | 382 | (server (base near station) computer with access\$3 with priorit\$3 and (wife (girl near friend\$1) love\$2 boss family friend\$1) and (restrict\$3 inhibi\$4 (not\$3 near\$1 allow\$3) stop\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 13:04 |
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| S21 | 10 | S19 and S20 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 13:04 |
| S22 | 5 | ("20010051915" "20040073814" "20040260709" "20040264697" "5634197").FN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/09/20 13:05 |
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| S24 | 4 | "729688".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2011/09/27 11:11 |
| S25 | 2 | "7729688".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2011/09/27 11:11 |
| S26 | 0 | "1020050102726" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2011/09/27 13:11 |
| S27 | 2 | "20050102726" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2011/09/27 13:12 |

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| S28 | 2 | "6819757".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT IBM_TDB | OR | OFF | 2011/09/27 13:41 |
| S29 | 6 | ("20020165784" "20030033356" "6459788" "6473505" "6570963" "6690664").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/09/27 16:17 |
| S30 | 8 | ("5206903" "5504739" "5592541" "5628025" "5675635" "5828740" "5870552" "6262976").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/09/27 16:20 |
| S31 | 1214 | (server (base near station) computer) with (control\$3 restrict\$3 block\$3) with (mobile wireless handheld portable pda) and access\$3 near3 priorit\$3 and (restrict\$4 (call near block\$3) block\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/27 16:23 |
| S32 | 285 | (server (base near station) computer) with (control\$3 restrict\$3 block\$3) with (mobile wireless handheld portable pda) near3 access\$3 and access\$3 near3 priorit\$3 and (restrict\$4 (call near block\$3) block\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/27 16:24 |
| S33 | 21 | (server (base near station) computer) with (control\$3 restrict\$3 block\$3) with (mobile wireless handheld portable pda) near3 access\$3 and access\$3 near3 priorit\$3 and (restrict\$4 (call near block\$3) block\$3).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/27 16:24 |
| S34 | 7 | ("5432780" "5513210" "5729542" "5737691" "5794156" "5862452" "6208865").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/09/27 16:27 |
| S35 | 171 | (server (base near station) computer) with (control\$3 restrict\$3 block\$3) with (mobile wireless handheld portable pda) near3 access\$3 and access\$3 near3 priorit\$3 and (restrict\$4 (call near block\$3) block\$3) and set\$4 near4 (status location position tim\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/27 16:29 |
| S36 | 2 | "20020142756" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 12:04 |
| S37 | 2 | "20050027385" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 12:05 |
| S38 | 2 | "20060239419" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 12:06 |
| S39 | 0 | server with stor\$4 with message\$1 and server near3 (id identif\$3) near2 caller and access near2 priority | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 12:08 |

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| S40 | 0 | server with stor\$4 with message\$1 and server with (id identif\$3) near2 caller and access near2 priority | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 12:10 |
| S41 | 79 | server with stor\$4 with message\$1 and server with (id identif\$3) and access near2 priority | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 12:10 |
| S42 | 0 | server with stor\$4 with (message\$1 (voice near mail)) and server with access near2 priority and (id identif\$3) near2 caller and "455"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 12:22 |
| S43 | 16 | server with stor\$4 with (message\$1 (voice near mail)) and access near2 priority and (id identif\$3) and "455"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 15:32 |
| S44 | 28 | "4955083" "5365512" "5387905" "5392278" "5450405" "5479477" "5491835" "5511232" "5524273" "5530914" "5530915" "5530916" "5530918" "5535426" "5537684" "5542108" "5555447" "5564071" "5694393" "5717830" "5850611" "5884196" "5901142" "5912882" "5914958" "5983114" "6016512" "6229802").FN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/12/28 15:36 |
| S45 | 44 | (server portal) with control\$4 with (message\$1 information (voice near mail)) and access near2 priority and (server portal) with (id identif\$3).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 15:41 |
| S46 | 150 | (server portal) with control\$4 with (call\$3 message\$1 information (voice near mail)) and (mobile wireless \$4phone) with access near2 priority and (server portal) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 15:52 |
| S47 | 2 | "6768789".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 16:24 |
| S48 | 2 | "20020009184" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 16:25 |
| S49 | 26 | (server portal) with control\$4 with (call\$3 message\$1 information (voice near mail)) and (mobile wireless \$4phone) with access near2 priority and (server portal).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 16:31 |
| S50 | 121 | (server portal) with (call\$3 message\$1 information (voice near mail)) and (mobile wireless \$4phone) with access near2 priority and (server portal) near2 stor\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 16:35 |

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| S51 | 19 | (server portal) with (call\$3 message\$1 information (voice near mail)) and (mobile wireless \$4phone) with access near2 priority and (server portal) near2 stor\$3 and "455"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 16:42 |
| S52 | 17 | (server (base near station) computer) with (control\$3 restrict\$3 block\$3) with (mobile wireless handheld portable pda) near3 access\$3 and access\$3 near3 priorit\$3 and (restrict\$4 (call near block\$3) block\$3) and set\$4 near4 (status location position tim\$3).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 16:49 |
| S53 | 2 | "7184703".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/29 10:22 |
| S54 | 2 | "20080107091" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/29 10:35 |
| S55 | 2 | "20070010195" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/29 11:34 |
| S56 | 2 | "7792552".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2012/09/24 20:54 |
| S57 | 2 | "8112104".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2012/09/24 20:59 |
| S58 | 60 | ("20020067806" "20020094067" "20020142756" "20030041048" "20030103600" "20030105854" "20030112948" "20030129968" "20030191814" "20030232629" "20040024882" "20040122979" "20040203919" "20050027385" "20050037785" "20050071253" "20050136955" "20050191994" "20050192061" "20050273327" "20060239419" "20060288099" "20070047522" "20080261636" "20100205272" "5425516" "5548636" "5758079" "5828731" "5930700" "5970388" "6119022" "6327628" "6463462" "6577859" "6636888" "6665534" "6788766" "6801793" "6816578" "6819757" "6977625" "6978136" "7010288" "7010332" "7027842" "7043261" "7072452" "7085253" "7107010" "7110963" "7111044" "7116976" "7188073" "7245266" "7376434" "7403972" "7729688" "7792522" "7890128").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2012/09/24 21:01 |

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|-----|-----|---|------------------------------|----|-----|---------------------|
| S59 | 188 | "0320558" "0669949" "1255265" "1917745" "20010005230" "20020017997" "20020081982" "20020084990" "20020089639" "20020090103" "20020098877" "20020109600" "20020140899" "20020197961" "20030018274" "20030022690" "20030032449" "20030062046" "20030065257" "20030067585" "20030068057" "20030083591" "20030226978" "20040000733" "20040063378" "20040096078" "20040100384" "20040150986" "20040156012" "20040157649" "20040160571" "20040160572" "20040160573" "20050067580" "20050213026" "20050230596" "20050243719" "20050248717" "20050264752" "20060023158" "20060107822" "20060132382" "20070098192" "20070109491" "20070186330" "20070208531" "20070270663" "20070271065" "20070271116" "20070271387" "20071020853" "20080068559" "20080262392" "2249572" "2638532" "2794085" "2818511" "2830132" "2904670" "3060308" "3597054" "3710115" "4165487" "4254451" "4283127" "4322585" "4348664" "4389217" "4526473" "4535244" "4608492" "4683587" "4751691" "4757714" "4773095" "4806011" "4822160" "4822161" "4851686" "4942629" "4962469" "4985632" "5008548" "5020150" "5036311" "5050150" "5093576" "5148023" "5151600" "5161250" "5172256" "5306917" "5353378" "5359370" "5367345" "5379464" "5382986" "5394005" "5452480" "5455640" "5457751" "5500532" "5510961" "5513384" "5533130" "5581090" "5585871" "5589398").FN. OR ("5590417" "5608808" "5634201" "5686727" "5715323" "5737436" "5900720" "5941837" "5946071" "5966746" "5980037" "5988812" "5992996" "5995592" "6010216" "6013919" "6028627" "6046455" "6060321" "6061580" "6091546" "6091832" "6115177" "6132681" "6154552" "6176578" "6225897" "6231181" "6236969" "6243578" "6259367" "6270466" "6292213" "6301367" "6307526" "6343858" "6349001" "6349422" "6409338" "6426719" "6478736" "6506142" "6513532" "6517203" "6539336" "6542081" "6546101" "6554763" "6619799" "6629076" "6729726" "6736759" "6764194" "6792401" "6912386" "6929365" "6947219" "7013009" | US-PGPUB; USPAT; USOCR | OR | OFF | 2012/09/24 21:04 |
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| | | "7031667" "7073905" "7192136" "7255437" "7265358" "7274292" "7312699" "7331666" "7376238" "7380936" "7429965" "D369167").PN. | | | | |
| S60 | 134 | ("20040024882" "20050192061" "6636888" "6816578" "6978136" "7116976" "5828731" "6327628" "6577859" "7729688" "20020142756" "20050027385" "20050273327" "5548636" "5970388" "6119022" "6665534" "7072452" "5930700" "20060003803" "7890128" "7224775" "20020067806" "20020094067" "20030232629" "20040203919" "20050037785" "20060288099" "7027842" "7043261" "7403972" "20010028709" "8280419" "20030041048" "20040122979" "6463462" "6801793" "7010288" "7110963" "7111044" "6788766" "20060239419" "20050071253" "20050136955" "20050191994" "5425516" "7107010" "20030112948" "7792552" "20030103600" "20030129968" "20070047522" "6819757" "20110151852" "20030105854" "5930700" "7010332" "7085253" "7376434" "20030191814" "7188073" "8112104" "6819945").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2013/10/24 15:48 |
| S61 | 2 | set\$3 with ip with connection with server and tether\$3 with (mobile wireless) with second with network | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2013/10/24 20:48 |
| S62 | 1156 | set\$3 with ip with connection with server and select\$3 credential with (location position) with (mobile wireless) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2013/10/24 20:52 |
| S63 | 0 | set\$3 with ip with connection with server and select\$3 with credential with (location position) with (mobile wireless) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2013/10/24 20:52 |
| S64 | 302 | set\$3 with ip with connection with server and (location position) with (mobile wireless) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2013/10/24 20:53 |
| S65 | 134 | set\$3 with ip with connection with server and (location position) near2 (mobile wireless) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2013/10/24 20:54 |
| S66 | 0 | select\$3 with credential with (location position) with (mobile wireless) and service near2 metric | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2013/10/24 21:02 |

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| S67 | 9 | select\$3 with credential with (mobile wireless) and service near2 metric | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2013/10/24 21:03 |
| S68 | 21375 | (mobile wireless) near2 authenticat\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2013/10/24 21:11 |
| S69 | 135 | (mobile wireless) near2 authenticat\$4 and select\$4 with credential | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2013/10/24 21:12 |
| S70 | 360 | (server (base near station) computer portal) with (control\$3 schedul\$3) with (incom\$3 message\$ email\$1 call\$3) with (priorit\$3 access\$1) and (server (base near station) computer portal) with (restrict\$3 inhibi\$4 (not\$3 near\$1 allow\$3) stop\$3) with (transmit\$3 send\$3 forward\$3 receip\$3) with (incom\$3 message\$ email\$1 call\$3).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2015/07/22 10:45 |
| S71 | 222 | (server (base near station) computer portal) with (control\$3 schedul\$3) with (incom\$3 message\$ email\$1 call\$3) with (priorit\$3 access\$1) and (server (base near station) computer portal) with (restrict\$3 inhibi\$4 (not\$3 near\$1 allow\$3) stop\$3) with (transmit\$3 send\$3 forward\$3 receip\$3) with (incom\$3 message\$ email\$1 call\$3) and priority with (call\$2 person) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2015/07/22 10:47 |
| S72 | 29 | S71 AND ((H04M2203/2072 OR H04M3/42068 OR H04M3/428 OR H04M3/54 OR H04M3/42042 OR H04M3/5322 OR H04M7/0009 OR H04M2201/14 OR H04M2203/551 OR H04M2203/652).CPC.) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2015/07/22 10:50 |
| S73 | 140 | (server (base near station) computer portal) with (control\$3 schedul\$3) with (incom\$3 message\$ email\$1 call\$3) with (priorit\$3 access\$1) and (server (base near station) computer portal) with (restrict\$3 inhibi\$4 (not\$3 near\$1 allow\$3) stop\$3) with (transmit\$3 send\$3 forward\$3 receip\$3) with (incom\$3 message\$ email\$1 call\$3) and (set\$3 select\$3 control\$3 schedul\$3) with priori\$3 with (call\$3 person\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2015/07/22 10:55 |
| S74 | 8 | S73 AND ((H04M2203/2072 OR H04M3/42042).CPC.) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2015/07/22 11:02 |
| S75 | 7 | ("5598536" "5764639" "5790548" "5793365" "5812819" "5889845" "6122255").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2015/07/22 11:06 |
| S76 | 37 | (server (base near station) computer | US-PGPUB; | OR | OFF | 2015/09/11 |

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| | | portal) with (control\$3 schedul\$3) with (incom\$3 message\$ email\$1 call\$3) with (priorit\$3 access\$1) and (server (base near station) computer portal) with (restrict\$3 inhibi\$4 (not\$3 near\$1 allow\$3) stop\$3) with (transmit\$3 send\$3 forward\$3 receip\$3) with (incom\$3 message\$ email\$1 call\$3) and (set\$3 select\$3 control\$3 schedul\$3) with priori\$3 with (call\$3 person\$1).clm. | USPAT; USOCR; EPO; JPO; DERWENT | | | 13:43 |
| S77 | 9 | S76 AND ((H04W36/0005 OR H04W12/08 OR H04W48/08 OR H04W72/1263 OR H04W84/045 OR H04M2203/2072).CPC.) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2015/09/11 13:51 |
| S78 | 39 | (server (base near station) computer portal) with (control\$3 schedul\$3 set\$3) with schedul\$3 with (priorit\$3 access\$1) and (server (base near station) computer portal) with priorit\$3 with (call\$2 person mom boss (girl near friend)).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2015/09/11 13:53 |
| S79 | 614 | (server (base near station) computer) with (schedul\$3 set\$3) near5 access with (wife (girl near friend\$1) love\$2 boss client\$1 family friend\$1) and restrict\$3 with access | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2015/09/11 13:55 |
| S80 | 116 | (server (base near station) computer) with (schedul\$3 set\$3) near5 access with (wife (girl near friend\$1) love\$2 boss client\$1 family friend\$1) and restrict\$3 with access.clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2015/09/11 13:55 |
| S81 | 28 | S80 AND ((G06F2221/2141 OR G06F21/33 OR G06F21/00 OR G06F21/31 OR G06F2221/2115 OR H04W12/08 OR H04W12/06 OR H04W12/12).CPC.) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2015/09/11 14:22 |
| S82 | 7 | ("20030177187" "20040049515" "5586260" "6219669" "6606663" "6976085" "7000024").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2015/09/11 14:22 |
| S83 | 157 | "3813529" "3893024" "4075691" "4075704" "4156907" "4333144" "4351023" "4377843" "4399503" "4456957" "4459664" "4488231" "4494188" "4527232" "4550368" "4589067" "4620292" "4685125" "4710868" "4719569" "4742447" "4742450" "4761737" "4761785" "4766534" "4780821" "4783730" "4803621" "4819159" "4825354" "4827411" "4845609" "4875159" "4887204" "4897781" "4914583" "4965772" "4969118" "4984272" "5001628" "5001712" "5008786" "5018144" "5043871" "5043876" "5049873" "5107500" "5113442" "5134619" "5144659" "5146588" "5155835" "5163131" "5163148" "5182805" "5195100" "5202983" "5208813" "5218695" "5218696" "5222217" "5235601" "5251308" | US-PGPUB; USPAT; USOCR | OR | OFF | 2015/09/11 14:23 |

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| | | "5255270" "5261044" "5261051" "5274799" "5274807" "5276840" "5276867" "5283830" "5297265" "5305326" "5313626" "5313646" "5313647" "5315602" "5317731" "5333305" "5335235" "5355453" "5357509" "5357612" "5377196" "5379417" "5430729" "5454095" "5463642" "5485455" "5490248" "5497343" "5502836" "5504883" "5519844" "5535375" "5555244" "5572711" "5574843" "5604862" "5604868" "5617568" "5621663" "5627842" "5628005" "5630060" "5634010" "5642501" "5644718" "5649152" "5649196" "5666353" "5668958" "5673265" "5675726" "5675782" "5678006" "5678007" "5689701" "5694163" "5696486" "5720029" "5721916" "5737523" "5737744" "5742752").PN. OR ("5754851" "5761669" "5819292" "5819310" "5825877" "5826102" "5828839" "5835953" "5854893" "5854903" "5856981" "5876278" "5890959" "5915084" "5915087" "5931935" "5950225" "5956491" "5956712" "5957612" "5963962" "5983364" "5996086" "5996106" "5999943" "6000039" "6044214" "6070008" "6073089" "6076148" "6101585" "H001860").PN. | | | | |
| S84 | 32 | (server (base near station) computer with (schedul\$3 sett\$3) near5 access with (wife (girl near friend\$1) love\$2 boss client\$1 family friend\$1) and (priorit\$3 restrict\$3) near4 access.clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2015/09/11 14:27 |
| S85 | 10 | S84 AND ((G06F21/31 OR G06F2221/2141 OR G06F2221/2149 OR H04L67/1002 OR H04L63/0272 OR H04L63/10 OR H04L47/6275 OR H04N1/00915).CPC.) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2015/09/11 14:48 |
| S86 | 8 | "9204268".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/23 15:23 |
| S87 | 2 | "8744407".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/23 15:25 |
| S88 | 2 | "7729688".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/23 15:27 |
| S89 | 2 | "7116976".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/23 18:54 |

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| S90 | 0 | "5930700.pn" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2016/04/23 19:23 |
| S91 | 3 | "5930700".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2016/04/23 19:25 |
| S92 | 1 | (server (base near station)) with (send\$3 transmit\$3) with (info information message\$1 text) near6 (wife (girl near friend\$1) love\$2 boss (boy adj friend\$1) friend\$1) and convert\$3 with text near1 voice | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/25 11:10 |
| S93 | 53 | (server (base near station)) with (send\$3 transmit\$3) with (info information message\$1 text) near6 (wife (girl near friend\$1) love\$2 boss (boy adj friend\$1) friend\$1 spouse) and text near1 voice | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/25 11:10 |
| S94 | 85 | (server (base near station)) with (send\$3 transmit\$3) with (info information message\$1 text) with (wife (girl near friend\$1) love\$2 boss (boy adj friend\$1) friend\$1 spouse) and text near1 voice | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/25 11:13 |
| S95 | 111 | (server (base near station) computer) with (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and text near1 voice | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/25 11:19 |
| S96 | 95 | (server (base near station) computer) with (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and text near1 voice and @ad< "20031010" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/25 11:19 |
| S97 | 39 | (send\$3 transmit\$3) with (schedul\$3 tim\$3 dat\$3) with available with receiv\$3 with (text message\$1) and text\$3 near2 voice\$1 and @ad< "20031010" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/25 11:27 |
| S98 | 149 | (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and text\$3 near2 voice\$1 and @ad< "20031010" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/25 11:43 |
| S99 | 99 | S98 AND ((H04N21/458 OR G06Q10/109 OR G06Q10/1093 OR G06Q50/01 OR H04L2012/6481 OR H04L12/581 OR H04M1/663 OR H04M7/0033 OR H04M2203/2072 OR H04M1/64 OR H04M1/72513 OR H04M1/72566 OR H04M3/432 OR H04M3/565).CPC.) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/25 11:47 |
| S100 | 11 | (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and convert\$3 with text\$3 near2 voice\$1 and | US-PGPUB; USPAT; USOCR; | OR | OFF | 2016/04/25 12:55 |

EAST Search History

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| | | @ad< "20031010" | EPO; JPO; DERWENT | | | |
| S101 | 2 | schedul\$3 with receiv\$3 near5 (text message\$1) and convert\$3 with text\$3 near2 voice\$1 and @ad< "20031010" and 455/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/25 12:59 |
| S102 | 89 | receiv\$3 near5 message\$1 and convert\$3 with text\$3 near2 voice\$1 and @ad< "20031010" and 455/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/25 13:01 |
| S103 | 56 | receiv\$3 near5 text and convert\$3 with text\$3 near2 voice\$1 and @ad< "20031010" and 455/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/25 13:01 |

EAST Search History (Interference)

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| APPLICANTS IpVenture, Inc., Los Altos, CA; | | | | | | |
| INVENTORS Kwok Wai Cheung, Tai Po, HONG KONG; Peter P. Tong, Mountain View, CA; C. Douglass Thomas, Saratoga, CA; | | | | | | |
| ** CONTINUING DATA ***** This application is a CON of 14/272,632 05/08/2014 PAT 9204268 which is a CON of 12/798,995 04/14/2010 PAT 8744407 which is a CON of 11/452,115 06/12/2006 PAT 7729688 which is a CIP of 11/006,343 12/07/2004 PAT 7116976 which claims benefit of 60/527,565 12/08/2003 and said 11/452,115 06/12/2006 claims benefit of 60/689,686 06/10/2005 | | | | | | |
| ** FOREIGN APPLICATIONS ***** | | | | | | |
| ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED **** SMALL ENTITY *** 11/04/2015 | | | | | | |
| 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 /KIET M.DCAN/ Examiners Signature | | <input type="checkbox"/> Met after Allowance Initials | STATE OR COUNTRY HONG KONG | SHEETS DRAWINGS 4 | TOTAL CLAIMS 5 | INDEPENDENT CLAIMS 1 |
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| FILING FEE RECEIVED 730 | 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 | | |

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|--|--|---|
| <i>Index of Claims</i>  | Application/Control No. 14922344 | Applicant(s)/Patent Under Reexamination CHEUNG ET AL. |
| | Examiner KIET DOAN | Art Unit 2641 |

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

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|-------|----------|------------|--|--|--|--|--|--|--|
| Final | Original | 04/23/2016 | | | | | | | |
| | 1 | ✓ | | | | | | | |
| | 2 | ✓ | | | | | | | |
| | 3 | ✓ | | | | | | | |
| | 4 | ✓ | | | | | | | |
| | 5 | ✓ | | | | | | | |

Amendments to the Specification:

Please **AMEND** paragraph [0001] of the Specification as follows:

[0001] This application is a continuation of U.S. Patent Application No. 14/272,632, filed May 8, 2014, now U.S. Patent No. 9,204,268, and entitled "SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION," which is hereby incorporated by reference, which application is a continuation of U.S. Patent Application No. 12/798,995, filed April 14, 2010, now U.S. Patent No. 8,744,407, and entitled "SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION," which is hereby incorporated herein by reference, which application is a continuation of U.S. Patent Application 11/452,115, filed June 12, 2006, now U.S. Patent No. 7,729,688, and entitled "SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION", which is hereby incorporated herein by reference, which application is a continuation-in-part application of U.S. Patent Application 11/006,343, filed December 7, 2004, now U.S. Patent No. 7,116,976, and entitled "ADAPTABLE COMMUNICATION TECHNIQUES FOR ELECTRONIC DEVICES," which is hereby incorporated herein by reference, which claims priority to U.S. Provisional Patent Application No. 60/527,565, filed December 8, 2003, entitled "ADAPTABLE COMMUNICATION TECHNIQUES FOR ELECTRONIC DEVICES," and which is hereby incorporated herein by reference.

Please **DELETE** paragraphs [00018] and [00019] as follows:

~~[00018] FIG. 6 is a flow diagram of a message presentation process according to one embodiment of the invention.~~

~~[00019] FIG. 7 is a flow diagram of a reply message process according to one embodiment of the invention.~~

Please **ADD** paragraphs [00017.01] through [00017.07] after paragraph [00017] as follows:

[00017.01] Figure 6 is a communication system according to one embodiment of the invention.

[00017.02] Figure 7 is a flow diagram of a personal call response process according to one embodiment of the invention.

[00017.03] Figure 8 is a flow diagram of an audio message response process according to one embodiment of the invention.

[00017.04] Figure 9 is a flow diagram of a text message response process according to one embodiment of the invention.

[00017.05] Figure 10 is a flow diagram of an automated call response process according to one embodiment of the invention.

[00017.06] Figure 11 is a flow diagram of a message presentation process according to one embodiment of the invention.

[00017.07] Figure 12 is a flow diagram of a message presentation process according to one embodiment of the invention.

Please **AMEND** paragraph [00020] as follows:

[00020] Same numerals in Figures [1-7] 1-12 are assigned to similar elements in all the figures. Embodiments of the invention are discussed below with reference to Figures [1-7] 1-12. However, those skilled in the art will readily appreciate that the detailed description given herein with respect to these figures is for explanatory purposes as the invention extends beyond these limited embodiments.

Please **DELETE** paragraphs [00050] through [00076] and paragraph [00078] as follows:

~~[00050] FIG. 6 is a flow diagram of a message presentation process 600 according to one embodiment of the invention. The message presentation process 600 is performed by an electronic device, such as a mobile communication device.~~

[00051] — The message presentation process 600 begins with a decision 602 that determines whether an incoming text message is present. Typically, the incoming text message would be transmitted to the mobile communication device from another communication device. When the decision 602 determines that an incoming text message is not present, then the message presentation process 600 awaits such message. Once the decision 602 determines that an incoming text message has been received, a decision 604 determines whether an audio or text presentation is to be utilized. The decision 604 can be performed in a variety of different ways. For example, the determination of whether to utilize an audio or text presentation can be based on user input or can be automatically determined through a use of configuration or preference information or hardware components (e.g., display, speaker, head-set).

[00052] — When the decision 604 determines that an audio presentation is to be utilized, the incoming text message is converted 606 to an audio message. For example, a text-to-speech conversion can be performed. In one embodiment, a user of the electronic device can be permitted to choose speech characteristics, such as a voice, tone, pace, accent, or mood, for the resulting speech. For example, a user could choose speech characteristics by preference settings. In another embodiment, the incoming text message can include or reference speech characteristics so that the initiator can control or influence speech characteristics. In still another embodiment, if the text to be converted contains condensed text (e.g., such as slang or chat language), the resulting speech can pertain to an uncondensed form of the text. The ability to convert from condensed text to resulting speech for uncondensed text can be facilitated by pattern matching. For example, in chat language “LOL” can be converted to an audio message for “lots of love.” In one implementation, a table can store audio messages corresponding to chat terms or phrases. In another implementation, a first table would store uncompressed terms or phrases corresponding to chat terms or phrases, and a second table would store audio messages corresponding to the uncompressed terms or phrases.

[00053] — After the incoming text message is converted to the audio message, the audio message is played 608. Typically, the audio message is played 608 by the mobile communication device for the user. For example, the audio message can be output to a speaker of the mobile communication device or a headset used therewith. As a result, the user of the mobile wireless communication device receives an audio message even though the incoming message was a text message.

[00054] — On the other hand, when the decision 604 determines that a text presentation is to be utilized, the incoming text message is displayed 610. Here, the incoming text message would be displayed 610 on a display associated with the mobile communication device. Following the blocks 608 and 610, the message presentation process 600 ends.

[00055] — As discussed above, text-to-speech conversion can be invoked and performed on an electronic device, which may be a mobile communication device. In one embodiment, text-to-speech conversion can be off-loaded from the mobile device. For example, a remote server computer can be provided the text message and produce the resulting audio message, and then supply the audio message to the mobile device. The remote server computer can be a networked server coupled to a network to communicate with the mobile device. One example of a networked server is a gateway computer for a wireless electronic device, such as a mobile telephone.

[00056] — FIG. 7 is a flow diagram of a reply message process 700 according to one embodiment of the invention. The reply message process 700 is performed by an electronic device, such as a mobile communication device.

[00057] — The reply message process 700 begins with a decision 702 that determines whether a reply message is to be sent. Typically, the reply message process 700 follows the presentation of an incoming text message to a user of a mobile communication device. Hence, the reply message to be sent is a reply to the incoming text message. However, in other embodiments, the reply message

to be sent can be merely an initial message as opposed to a response to an earlier message.

[00058] — In any case, when the decision 702 determines that a reply message is not to be sent, then the reply message process 700 ends or simply awaits the need to send a reply message. On the other hand, when the decision 702 determines that a reply message is to be sent, then a decision 704 determines whether an audio or text message is to be formed. The decision 704 can be performed in a variety of different ways. For example, the determination of whether to send an audio or text message can be based on user input or can be automatically determined through a use of configuration or preference information or hardware components (e.g., display, speaker, head-set).

[00059] — When the decision 704 determines that an audio message is to be formed, then the reply message process 700 prompts 706 for an audio message. Here, the prompt 706 can be directed to the user of the mobile communication device. The prompt can be an audio or textual indication. Next, a decision 708 determines whether an audio message has been recorded. When the decision 708 determines that the audio message has not been recorded, then the reply message process 700 awaits the audio message. Once the decision 708 determines that the audio message has been recorded, then the audio message is converted 710 to a text message. In one embodiment, if the audio message recorded is greater than a maximum text message size (e.g., 150 or 160 characters), then the audio message can be shortened so that the resulting text message does not exceed the maximum text message size. One way to shorten the text message is to use abbreviations. For example, the words “For example” can be changed to “e.g.”. Such conversion can be again be performed by matching entries in tables. Another way to shorten is to remove non-essential text. Still another way to shorten is to clip off or truncate the text message at the maximum text message size. In another embodiment, the resulting text message might provide an indication that it was converted from an audio message. Following the block 710, the text message is transmitted 712 over a wireless network.

[00060] — Alternatively, when the decision 704 determines that a text message is to be formed, then a text entry screen is displayed 714. Next, a decision 716 determines whether a text message has been entered. When the decision 716 determines that a text message has not yet been entered, then the reply message process 700 awaits entry of the text message. Once the text message has been entered, the text message is transmitted 712 over the wireless network. Following the block 712, the reply message process 700 ends.

[00061] — Although the reply message process 700 provides for the user to enter a custom text or audio message, it should be understood that the reply message can alternatively be formed through use of semi-custom or predetermined reply messages from which the user of the mobile communication device can choose. The use of semi-custom or predetermined reply messages can be achieved as noted in a number of embodiments in U.S. Patent Application 11/006,343 (incorporated by reference into this application), and can serve to simplify the conversion process.

[00062] — An exemplary scenario of how message presentation and reply message processes could work according to one implementation of the second aspect is as follows:

[00063] — 1. — From his mobile phone, Bill prepares and sends a text message to Tom's mobile phone.

[00064] — 2. — Tom is alerted by his mobile phone of an incoming text message, such as by displaying at least a portion of the text message and/or otherwise notifying Tom of the text message.

[00065] — 3. — Tom's mobile phone can decide whether to present the text message on a display screen of Tom's mobile phone, or to first convert the text message to an audio message and then present the audio message to Tom (e.g., play the audio message). Of course, Tom can interact with Tom's mobile phone to assist in making the determination on how to present the message.

[00066] — 4. — Thereafter, if desired, Tom can prepare and send a reply message back to Bill. This reply message can be prepared initially as a text message or an audio message. Tom's mobile phone and/or Tom can determine whether the reply message is initially prepared as a text message or as an audio message. If an audio message is initially created, such audio message must be converted to a text message prior to transmission. Eventually, the reply message is sent to Bill as a text message. Tom's mobile phone can assist with the creation of the reply message through use of custom, semi-custom or predetermined reply message from which Tom and/or Tom's mobile phone can choose.

[00067] — 5. — If Tom is using a head-set with his mobile phone, then an audio message may be more convenient, assuming that Tom wants to provide a particular (i.e., customized) message to Bill. The head-set allows Tom to easily record a brief audio message. Less conveniently, the head-set can be used to present a list of predetermined audio messages and allow Tom's selection therefrom by a button or voice-command.

[00068] — 6. — If Tom is not using a head-set, then a text message response might be more suitable. This would typically require that Tom's mobile phone have a display and a keypad. Even so, without a head-set, Tom could still record an audio message, though such would likely be less convenient.

[00069] — 7. — Tom can also not provide a reply message and simply not respond to the incoming text message. Alternatively, Tom can configure his mobile phone to automatically produce and send a reply message based on user settings or preferences, position, configuration, status, etc.

[00070] — In this aspect of the invention, the calling party and the called party often use mobile communication devices, such as mobile phones. However, the parties can alternatively use other electronic devices, such as a PDA, a computer, etc.

[00071] — The advantages of the invention exemplified by FIGs. 6-7 are numerous. Different embodiments or implementations may yield different advantages. One advantage is that communications for users of electronic

devices can be flexibly provided. Another advantage is that communication mode changes can be performed at an electronic device to better suit the needs or condition of the electronic device or user preferences. Yet still another advantage is that the sender can get back a message in the same format as they sent the original message, though the recipient may use the message in a different format or mode (e.g., recipient hears the text message as an audio message).

[00072]—Moreover, it should be noted that with regards to any of the embodiments in which a voice call or a text message is incoming to an electronic device, not only can the user of the mobile device take an action (e.g., button press or voice command) to decline the call/message but also the electronic device itself can automatically decline the call/message such that the user is not disturbed. For example, an electronic device can be configured through user settings (e.g., preferences) to decline calls/messages matching certain criteria. Also, an auto reply message can be configured to be automatically sent in response to the call/message. For a known, undesired marketing caller/message sender, the electronic device can automatically send a reply message demanding the sender not to call or send messages anymore, and to remove your information from their database.

[00073]—Text messages received or sent can optionally embed indications of speech characteristics to be used, should the text message be converted to an audio format. The speech characteristics can pertain to voice, tone, pace, accent, and/or mood. The speech characteristics for the resulting speech can be set in preference or configuration information, set on a per message basis by users, or set by evaluation of monitored data pertaining to the user.

[00074]—Additionally, the messages being transmitted can be encrypted for security purposes.

[00075]—A number of embodiments described herein can be considered an automated secretary for a user of an electronic device. The automated secretary can completely or partially respond to an incoming call/message so as to reduce disturbances to the user. The user can personalize the automated secretary

through user settings (e.g., preferences), or the automated secretary can learn over time how to handle different incoming calls/messages. Besides handling or assisting the user with incoming calls/messages, the automated secretary can also assist with other activities, such as making calendar entries (e.g., meetings) in a calendar or responding to incoming callers/messages with relevant information pertaining to the user's schedule as maintained by the calendar (though the user could restrict such access to certain information and/or inquiring parties). For example, if an incoming text message asks "available for lunch today?", the automated secretary can check the user's availability for lunch by way of the user's calendar, then if the user is not available the automated secretary can quickly informing the inquiring party of same or propose another date. On the other hand, if the lunch time period is available in the user's calendar, then the automated secretary can either directly respond to the inquiring party of acceptance or propose a response to the user for review, modification and/or transmission.

[00076] — Also, a number of embodiments performing communications using voice as well as audio and/or text messages can be implemented using voice over Internet Protocol technologies, with signals delivered over the Web. For example, a calling party's communication or mobile device can include an adapter to convert voice signals to data packets before sending them over the Internet. A service provider can convert the packets back into voice signals before sending the voice signals to the called party's communication device. Similarly, embodiments can be implemented using voice over wireless protocols, such as Wi-Fi or Wi-Max networks. Using such technologies, computing devices can become communication devices.

[00078] — Other embodiments of the invention will be apparent to those skilled in the art from a consideration of this specification or practice of the invention disclosed herein. It is intended that the specification and examples be considered as exemplary only, with the true scope and spirit of the invention being indicated by the following claims.

Please **ADD** paragraphs [00079] through [00153] after paragraph [00077] as follows:

[00079] Different embodiments of the invention pertain to improved approaches for users of electronic devices to communicate with one another. The electronic devices have audio and/or textual output capabilities. The improved approaches can enable users to communicate in different ways depending on device configuration, user preferences, prior history, time or other criteria. In one embodiment, the communication between users is achieved by short audio or textual messages.

[00080] The electronic device can be any computing device having communication capabilities. Such computing devices can be referred to as communication devices. Examples of electronic devices include personal computers, personal digital assistants, pagers or mobile telephones.

[00081] Embodiments of the invention are discussed below with reference to FIGs. 6 - 12. However, those skilled in the art will readily appreciate that the detailed description given herein with respect to these figures is for explanatory purposes as the invention extends beyond these limited embodiments.

[00082] FIG. 6 is a communication system 100 according to one embodiment of the invention. The communication system 100 can support different communication devices, including mobile telephones 102, computers 104 (e.g., personal computers) and/or wireless personal digital assistants (PDAs) 106. Users of the communication devices 102-106 can communicate with like or different communication devices. Each communication device 102-106 offers one or both of audio or textual communication capabilities. These communication devices 102-106 can inter-communicate with one another through a network 108. The network 108 can include one or more of voice networks and data networks. For example, one network is a data network providing a slow speed data channel for transmission of Short Message Service (SMS) messages (which are typically limited to 160 text characters) to a Short Message Service Center (SMSC) and

then forwarded on to the destination. Besides short messages (e.g., SMS messages), the network 108 can also support other messaging protocols for sending and receiving enhanced messages (EMS), multimedia messages (MMS), email and fax messages. Other networks support faster data channels and voice channels, such as GPRS, UMTS, G4, GSM, CDMA and various protocols, such as UDP, TCP, WAP, PDP other protocols.

[00083] According to one embodiment of the invention, one of the communication devices 102-106 can send a short message to another of the communication devices 102-106. The short message can be text-based or audio-based. The sending communication device allows its user to create the short message as the user desires and/or as the device permits. For example, the user might interact with a keypad or keyboard to enter the short message, or the user might record audio inputs (e.g., speech) for the short message. The short message can then be sent to the receiving communication device. The sending of the short message may involve converting the short message from an audio message to a text message, or vice versa. Also, the receiving communication device can further convert the short message from audio-to-text or from text-to-audio. In any case, the short message is presented (e.g., displayed or played) to the user of the receiving communication device. The presentation can vary as the user desires or as the device permits.

[00084] One aspect of the invention pertains to improved approaches to respond to incoming voice calls. The improved approaches enable a called party (i.e., a party being called) to provide some information to a calling party without directly engaging in a voice call with the calling party. The called party can choose not to take the voice call from the calling party. Instead, the called party can provide the calling party with some limited information. The limited information can be provided in an audio or textual format. In one embodiment, the limited information provides the calling party with feedback as to why the voice call was not taken.

[00085] FIG. 7 is a flow diagram of a personal call response process 200 according to one embodiment of the invention. The personal call response process

200 is performed by an electronic device, such as a mobile communication device (e.g., mobile telephone). The personal call response process 200 begins with a decision 202 that determines whether there is an incoming voice call. When the decision 202 determines that there is no incoming voice call, then the personal call response process 200 awaits such a call. Once the decision 202 determines that there is an incoming voice call, a decision 204 determines whether the incoming voice call is to be answered. Typically, the user of the electronic device would signal the electronic device as to whether or not to answer the incoming voice call. Alternatively, the electronic device could automatically decide whether to answer the call.

[00086] When the decision 204 determines that the user desires the incoming voice call to be answered, the incoming voice call is answered 206 and the user engages 208 in a voice call with the calling party. A decision 210 then determines whether the call has ended. When the decision 210 determines that the call has not yet ended, then the personal call response process 200 can return to repeat the block 208 while the voice call continues. Once the decision 210 determines that the voice call has ended, then the personal call response process 200 ends.

[00087] When the decision 204 determines that the user does not desire to answer the incoming voice call, a decision 212 determines whether the user desires to provide an audio message to the calling party. When the decision 212 determines that the user does desire to provide an audio message to the calling party, an audio message is obtained and sent 214 to the calling party (caller).

[00088] Alternatively, when the decision 212 determines that the user does not desire to provide an audio message, a decision 216 determines whether the user desires to provide a text message to the calling party. When the decision 216 determines that the user desires to provide a text message to the calling party, a text message is obtained and sent 218 to the calling party.

[00089] Still further, when the decision 216 determines that the user does not desire to provide a text message to the calling party, a decision 220 determines whether the incoming voice call is to be directed to voice mail. When the decision

220 determines that the incoming voice call should be directed to voice mail, then the incoming voice call is directed 222 to voice mail. On the other hand, when the decision 220 determines that the incoming voice call is not to be directed to voice mail, the incoming voice call is dropped 224. Following the blocks 214, 218, 222 and 224, the personal call response process 200 is complete and ends.

[00090] In another embodiment, a personal call response process could announce the calling party to the called party (user). In announcing the calling party, the personal call response process would present the called party with information pertaining to the calling party (e.g., display or audio sound). Such information could, for example, help the called party to decide whether to answer the incoming voice call. The information can, for example, include one or more of name (individual or business), telephone number, or other caller identification. The information could also include status information of the calling party, such as position, health, mood, etc. As an example, the information could be presented to the user prior to the decision 204 of the personal call response process 200 shown in FIG. 7.

[00091] In still another embodiment, an automated decision process to decide whether to answer a call can be based on time (e.g., decision 204). For example, the called party can previously set a rule, such as that from midnight to 6 am, the party does not want to answer voice calls. Then, during this time period, the electronic device can automatically decide not to answer incoming calls. In one implementation, when the electronic device decides not to answer incoming calls, no indication of incoming calls will be provided to the called party. For example, from midnight to 6 am, the device would not produce any ring tone. Additionally, if desired, the called party can also configure the electronic device to automatically provide an audio message or a text message to the calling party (e.g., "I'm asleep call me tomorrow").

[00092] FIG. 8 is a flow diagram of an audio message response process 300 according to one embodiment of the invention. The audio message response

process 300 is, for example, suitable for use as the processing carried out by block 214 illustrated in FIG. 7.

[00093] The audio message response process 300 initially answers 302 the incoming voice call. In this operation, the incoming voice call is answered 302 but not in a traditional way. Instead, the electronic circuitry associated with a mobile communication device (e.g., mobile telephone) that receives the incoming voice call operates to answer the incoming voice call for purposes of an audio message response. For example, a voice channel is established between the calling party and the mobile communication device, but the speaker and microphone of the mobile communication device are disabled. In effect, in such an embodiment, neither the called party nor the calling party perceives that the voice calling has been answered.

[00094] Next, one or more predetermined audio messages can be presented 304 by the mobile communication device. The presentation 304 of the one or more predetermined audio messages can, for example, be achieved by audio or visual means. For example, the predetermined audio messages can be audio output to a speaker associated with the mobile communication device for the called party or can be visual output (e.g., text) to a display of the mobile communication device for the called party (e.g., user of the mobile communication device).

[00095] A decision 306 then determines whether a predetermined audio message has been selected. Here, the decision 306 determines whether the user (i.e., called party) of the mobile communication device has selected one or more of the predetermined audio messages. When the decision 306 determines that a predetermined audio message has been selected, then the selected audio message is played 308 for the calling party. Here, the mobile communication device can output the selected audio message to the calling party over the voice channel. Typically, the mobile communication device of the called party would not produce an audible output at the mobile communication device, so that the called party would not be disturbed by the sending of the audio response. The predetermined audio messages are normally short messages (e.g., not more than

160 characters) so that the duration of time the voice channel is needed and/or the amount of network bandwidth consumed is minimal.

[00096] On the other hand, when the decision 306 determines that none of the predetermined audio messages have been selected, then a decision 310 determines whether a custom audio message is requested. A custom audio message is an audio message that is specifically provided for the calling party. When the decision 310 determines that a custom audio message is not being requested, then the audio message response process 300 returns to repeat the decision 306 and subsequent operations. Alternatively, when the decision 310 determines that a custom audio message is requested, then a custom audio message is recorded 312. Thereafter, the custom audio message that has been recorded can be played 314 for the calling party (caller). Here, typically, the custom audio message would be output by the mobile communication device of the called party over the voice channel to the calling party. Typically, the mobile communication device of the called party would not produce an audible output at the mobile communication device, so that the called party would not be disturbed by the sending of the audio response. The custom audio messages are also normally short messages (e.g., not more than 160 characters) so that the duration of time the voice channel is needed and/or the amount of network bandwidth consumed is minimal.

[00097] Following the operations 308 and 314, the incoming voice call is closed 316. In other words, after the selected audio message or the custom audio message is played 308, 314, the incoming voice call can be closed 316. Following the block 316, the audio message response process 300 is complete and ends.

[00098] The predetermined audio messages that are presented 304 to a called party can be determined in a static or dynamic manner. A static determination would, for example, be when the called party has previously set or recorded an audio message to be utilized. Typically, with static determination, the list of audio messages remains the same (i.e., static) until changed (e.g., by the called party). A dynamic determination would allow the audio messages in the list

(or the ordering of the audio messages in the list) to change without specific action by the user or the called party. For example, the list or ordering of the audio messages can depend on preference settings, configuration information, or prior usage. Prior usage can include biasing the list of audio messages such that those messages being most often selected appear higher in the list. The list or ordering of the audio messages can also depend on the calling party, type of calling party, location of calling party or called party, and the like. The list of audio messages can be represented by text and/or graphics (e.g., icons).

[00099] The audio message response process 300 flexibly enables a user to either select one or more predetermined audio messages or provide a custom audio message to be used as an audio message response to a calling party. However, it should be recognized that, in other embodiments, an audio message response process can alternatively simply pertain to only providing a custom audio message, or only permitting selection of a predetermined audio message. Further, in still other embodiments, an audio message response process can first determine whether a custom audio message is to be provided before presenting predetermined audio messages. In yet other embodiments, an audio message response process can answer the incoming voice call later in the processing than operation 302 as shown in FIG. 8 (e.g., before operations 308 and 314).

[000100] FIG. 9 is a flow diagram of a text message response process 400 according to one embodiment of the invention. The text message response process 400 is, for example, processing performed by the block 218 illustrated in FIG. 7.

[000101] The text message response process 400 initially drops 402 the incoming voice call. Here, the information to be supplied to the calling party is a short text message; therefore, there is no need for a voice channel.

[000102] Next, one or more predetermined text messages are displayed 404. Here, the one or more predetermined text messages would normally be displayed on a display screen associated with the mobile communication device being utilized by the called party. A decision 406 then determines whether one (or more)

of the predetermined text messages has been selected. When the decision 406 determines that a predetermined text message has been selected, then the selected text message is transmitted 408 to the caller (i.e., the calling party).

[000103] On the other hand, when the decision 406 determines that a predetermined text message has not been selected, then a decision 410 determines whether a custom text message is requested. When the decision 410 determines that a custom text message is not requested, then the text message response process 400 returns to repeat the decision 406 and subsequent operations. Alternatively, when the decision 410 determines that a custom text message is requested, then the custom text message is entered 412. Here, the called party interacts with the mobile communication device to enter the custom text message. Then, the custom text message is transmitted 414 to the caller. In one embodiment, the transmission 408, 414 of the text message can be performed over a communication network, such as a network having a Short Message Service Center (SMSC) supporting Short Message Service (SMS) messages. Following the transmission 408 of the selected text message or the transmission 414 of the custom text message, the text message response process 400 is complete and ends.

[000104] An alternative embodiment of a text message response process could operate to answer the incoming voice call and announce to the caller that a text message will be forthcoming. Then, the incoming voice call could be promptly dropped. This additional operation could, for example, be used with the text message response process 400 by providing an additional operation prior to the block 402 illustrated in FIG. 9.

[000105] The predetermined text messages being displayed 404 to a called party can be determined in a static or dynamic manner. A static determination would, for example, be a text message the called party has previously set or entered. Typically, with static determination, the list of text messages remains the same (i.e., static) until changed (e.g., by the called party). A dynamic determination would allow the text messages in the list (or the ordering of the text messages in

the list) to change automatically, and not by the user. For example, the list or ordering of the text messages can depend on preference settings, configuration information, or prior usage. To illustrate, prior usage can include biasing the list of text messages such that those messages being most often selected appear higher in the list. The list or ordering of the text messages can also depend on the calling party, type of calling party, location of calling party or called party, and the like. The list of text messages can identify each text message with text (e.g., at least a portion of the corresponding text message, or an abbreviation) and/or graphics (e.g., icons).

[000106] The text message response process 400 flexibly enables a user to either select one or more predetermined text messages or provide a custom text message to be used as a text message response to a calling party. However, it should be recognized that, in other embodiments, a text message response process can alternatively simply pertain to only providing a custom text message, or only permitting selection of a predetermined text message. Further, in still other embodiments, a text message response process can first determine whether a custom text message is to be provided before presenting predetermined text messages.

[000107] FIG. 10 is a flow diagram of an automated call response process 500 according to one embodiment of the invention. The automatic call response process 500 is substantially similar in many ways to the personal call response process 200 illustrated in FIG. 7. However, the automated call response process 500 operates to reduce user input at the mobile communication device by making use of stored data pertaining to its hardware components, configuration or preferences. In this regard, the automatic call response process 500 includes a decision 502 that determines whether a head-set is active. When the decision 502 determines that a head-set is active, then the automatic call response process 500 can prefer, suggest or require the user to obtain and send 214 an audio message to the caller in response to an incoming voice call. Alternatively, when the decision 502 determines that a head-set is not active, then a decision 504 can determine whether a display is present. In other words, the decision 504 can determine

whether the mobile communication device has a display. When the decision 504 determines that the mobile communication device does have a display, then the mobile communication device can operate to obtain and send 218 a text message to the caller. Of course, this assumes that the caller can support text messages even though they initially called with a voice call. Hence, in another embodiment, the automatic call response process can operate to query or obtain information regarding the caller's communication device capabilities.

[000108] An exemplary scenario of how the previously described automatic call response process could work according to one implementation is as follows:

[000109] 1. From his mobile phone, Bill calls Tom's mobile phone.

[000110] 2. Tom is alerted by his mobile phone of an incoming call. Optionally, caller information (i.e., pertaining to Bill) can be displayed or announced to Tom.

[000111] 3. Tom can choose to answer the incoming call or decline to answer the call.

[000112] 4. In the event that Tom declines to answer the call, Tom can have the opportunity to provide the caller with a brief audio or text message.

[000113] 5. If an audio message is to be provided, then Tom can either record a personalized message or select one of a plurality of predetermined audio messages. In this case, the incoming call is answered by Tom's mobile phone and then the audio message is played for the caller, thereafter the call is dropped. The audio messages are typically brief (i.e., short), and examples of audio messages are: (i) "Will call in 10 minutes," (ii) "Cannot talk now," (iii) "I'm in a meeting," or (iv) "Please don't call anymore."

[000114] 6. On the other hand, if a text message is to be provided, then Tom can either enter a personalized text message or select from a plurality of predetermined text messages. In this case, the incoming call is dropped, and the entered text message or the selected one of the predetermined text messages is sent. Examples of text messages are: (i) "Will call in 10 minutes," (ii) "Cannot talk

now,” (iii) “I’m in a meeting,” or (iv) “Please don’t call anymore.” The text messages can be English (or other language) words or phrases, or can be condensed text strings (e.g., such as slang or chat language). In one embodiment, the predetermined text messages presented to Tom can be dependent on some criteria (i.e., automatically selected). Alternatively, it is possible that Tom might want to edit the predetermined text message, such can be permitted. As yet another example, the text message can embed dynamic information, such as position, e.g., “I’m in [position] now, so I’ll get back to you later.” The position can be determined using a GPS receiver in the mobile phone or acquired by a remote computer and provided to the mobile phone. The position may also be further processed (locally or remotely) into a more user-friendly form, such as city, school, restaurant name, or street type addresses. The position could also be used above to assist the user in deciding whether to answer the incoming call or decline to answer the call.

[000115] 7. If hardware components, configuration or preferences are taken into consideration, as illustrated in FIG. 10, the above scenario can be modified. For example, if Tom is using a head-set with his mobile phone, then an audio message may be most convenient, assuming that Tom wants to provide a particular (i.e., customized) message to Bill. The head-set allows Tom to record a brief audio message. Less conveniently, the head-set can be used to present a list of predetermined audio messages and allow Tom’s selection therefrom by a button or voice-command.

[000116] 8. If Tom is not using a head-set, then a text message response might be more suitable. This would typically require that Tom’s mobile phone have a display and a keypad. Even so, without a head-set, Tom could still record an audio message, though such would likely be less convenient.

[000117] 9. Tom can also not provide an audio message or a text message and simply let the incoming call roll-over into voice mail.

[000118] The exemplary scenario can also be used in a case where the called party is using one line but the mobile device has multi-line capabilities or call

waiting. In such case, the mobile phone can enable the called party to provide a brief audio or text message to the calling party as noted above. Alternatively, the mobile phone can itself automatically (i.e., without user input) respond to the calling party via an audio or text message since the mobile phone is aware that the called party is on the other line.

[000119] In this aspect of the invention, the calling party and the called party often use mobile communication devices, such as mobile phones. However, the parties can alternatively use other electronic devices, such as a PDA, a computer, etc. Further, the option to provide a text response could be prevented if the caller's device is known to not support text messages.

[000120] The advantages of the previously described embodiments are numerous. Different embodiments or implementations may yield different advantages. One advantage is that communications for users of electronic devices can be flexibly provided. Another advantage is that communication mode changes can be performed at an electronic device to better suit the needs or condition of the electronic device or user preferences. In still another advantage, a user can provide feedback to a caller without answering a voice call from the caller.

[000121] Another aspect of the invention pertains to improved approaches to respond to an incoming text message. The improved approaches enable a recipient to provide a reply message to an initiator. The incoming text message can be presented to the recipient with an audio or textual presentation. Thereafter, a reply text message can be sent back to the initiator. The recipient can form the reply text message by recording a brief audio message or entering a text message. In the case in which a brief audio message is used, the audio message can be automatically converted to a text message before being transmitted to the initiator.

[000122] FIG. 11 is a flow diagram of a message presentation process 600 according to one embodiment of the invention. The message presentation process 600 is performed by an electronic device, such as a mobile communication device.

[000123] The message presentation process 600 begins with a decision 602 that determines whether an incoming text message is present. Typically, the

incoming text message would be transmitted to the mobile communication device from another communication device. When the decision 602 determines that an incoming text message is not present, then the message presentation process 600 awaits such message. Once the decision 602 determines that an incoming text message has been received, a decision 604 determines whether an audio or text presentation is to be utilized. The decision 604 can be performed in a variety of different ways. For example, the determination of whether to utilize an audio or text presentation can be based on user input or can be automatically determined through a use of configuration or preference information or hardware components (e.g., display, speaker, head-set).

[000124] When the decision 604 determines that an audio presentation is to be utilized, the incoming text message is converted 606 to an audio message. For example, a text-to-speech conversion can be performed. In one embodiment, a user of the electronic device can be permitted to choose speech characteristics, such as a voice, tone, pace, accent, or mood, for the resulting speech. For example, a user could choose speech characteristics by preference settings. In another embodiment, the incoming text message can include or reference speech characteristics so that the initiator can control or influence speech characteristics. In still another embodiment, if the text to be converted contains condensed text (e.g., such as slang or chat language), the resulting speech can pertain to an uncondensed form of the text. The ability to convert from condensed text to resulting speech for uncondensed text can be facilitated by pattern matching. For example, in chat language "LOL" can be converted to an audio message for "lots of love." In one implementation, a table can store audio messages corresponding to chat terms or phrases. In another implementation, a first table would store uncompressed terms or phrases corresponding to chat terms or phrases, and a second table would store audio messages corresponding to the uncompressed terms or phrases.

[000125] After the incoming text message is converted to the audio message, the audio message is played 608. Typically, the audio message is played 608 by the mobile communication device for the user. For example, the audio message

can be output to a speaker of the mobile communication device or a headset used therewith. As a result, the user of the mobile wireless communication device receives an audio message even though the incoming message was a text message.

[000126] On the other hand, when the decision 604 determines that a text presentation is to be utilized, the incoming text message is displayed 610. Here, the incoming text message would be displayed 610 on a display associated with the mobile communication device. Following the blocks 608 and 610, the message presentation process 600 ends.

[000127] As discussed above, text-to-speech conversion can be invoked and performed on an electronic device, which may be a mobile communication device. While text-to-speech conversion, particularly if high quality is desired, requires substantial processing capabilities, mobile electronic devices, such as mobile communication devices, given their small form factor and price competition, tend to have limited processing capability. Accordingly, in one embodiment, text-to-speech conversion can be off-loaded from the mobile device. For example, a remote server computer can be provided the text message and produce the resulting audio message, and then supply the audio message to the mobile device. The remote server computer can be a networked server coupled to the network 108. One example of a networked server is a gateway computer for a wireless electronic device, such as a mobile telephone.

[000128] FIG. 12 is a flow diagram of a reply message process 700 according to one embodiment of the invention. The reply message process 700 is performed by an electronic device, such as a mobile communication device.

[000129] The reply message process 700 begins with a decision 702 that determines whether a reply message is to be sent. Typically, the reply message process 700 follows the presentation of an incoming text message to a user of a mobile communication device. Hence, the reply message to be sent is a reply to the incoming text message. However, in other embodiments, the reply message

to be sent can be merely an initial message as opposed to a response to an earlier message.

[000130] In any case, when the decision 702 determines that a reply message is not to be sent, then the reply message process 700 ends or simply awaits the need to send a reply message. On the other hand, when the decision 702 determines that a reply message is to be sent, then a decision 704 determines whether an audio or text message is to be formed. The decision 704 can be performed in a variety of different ways. For example, the determination of whether to send an audio or text message can be based on user input or can be automatically determined through a use of configuration or preference information or hardware components (e.g., display, speaker, head-set).

[000131] When the decision 704 determines that an audio message is to be formed, then the reply message process 700 prompts 706 for an audio message. Here, the prompt 706 can be directed to the user of the mobile communication device. The prompt can be an audio or textual indication. Next, a decision 708 determines whether an audio message has been recorded. When the decision 708 determines that the audio message has not been recorded, then the reply message process 700 awaits the audio message. Once the decision 708 determines that the audio message has been recorded, then the audio message is converted 710 to a text message. In one embodiment, if the audio message recorded is greater than a maximum text message size (e.g., 150 or 160 characters), then the audio message can be shortened so that the resulting text message does not exceed the maximum text message size. One way to shorten the text message is to use abbreviations. For example, the words "For example" can be changed to "e.g.". Such conversion can be again be performed by matching entries in tables. Another way to shorten is to remove non-essential text. Still another way to shorten is to clip off or truncate the text message at the maximum text message size. In another embodiment, the resulting text message might provide an indication that it was converted from an audio message. Following the block 710, the text message is transmitted 712 over a wireless network.

[000132] Alternatively, when the decision 704 determines that a text message is to be formed, then a text entry screen is displayed 714. Next, a decision 716 determines whether a text message has been entered. When the decision 716 determines that a text message has not yet been entered, then the reply message process 700 awaits entry of the text message. Once the text message has been entered, the text message is transmitted 712 over the wireless network. Following the block 712, the reply message process 700 ends.

[000133] Although the reply message process 700 provides for the user to enter a custom text or audio message, it should be understood that the reply message can alternatively be formed through use of semi-custom or predetermined reply messages from which the user of the mobile communication device can choose. The use of semi-custom or predetermined reply messages can be achieved as noted above in a number of embodiments, and can serve to simplify the conversion process.

[000134] An exemplary scenario of how message presentation and reply message processes could work according to one implementation of the second aspect is as follows:

[000135] 1. From his mobile phone, Bill prepares and sends a text message to Tom's mobile phone.

[000136] 2. Tom is alerted by his mobile phone of an incoming text message, such as by displaying at least a portion of the text message and/or otherwise notifying Tom of the text message.

[000137] 3. Tom's mobile phone can decide whether to present the text message on a display screen of Tom's mobile phone, or to first convert the text message to an audio message and then present the audio message to Tom (e.g., play the audio message). Of course, Tom can interact with Tom's mobile phone to assist in making the determination on how to present the message.

[000138] 4. Thereafter, if desired, Tom can prepare and send a reply message back to Bill. This reply message can be prepared initially as a text

message or an audio message. Tom's mobile phone and/or Tom can determine whether the reply message is initially prepared as a text message or as an audio message. If an audio message is initially created, such audio message must be converted to a text message prior to transmission. Eventually, the reply message is sent to Bill as a text message. Tom's mobile phone can assist with the creation of the reply message through use of custom, semi-custom or predetermined reply message from which Tom and/or Tom's mobile phone can choose.

[000139] 5. If Tom is using a head-set with his mobile phone, then an audio message may be more convenient, assuming that Tom wants to provide a particular (i.e., customized) message to Bill. The head-set allows Tom to easily record a brief audio message. Less conveniently, the head-set can be used to present a list of predetermined audio messages and allow Tom's selection therefrom by a button or voice-command.

[000140] 6. If Tom is not using a head-set, then a text message response might be more suitable. This would typically require that Tom's mobile phone have a display and a keypad. Even so, without a head-set, Tom could still record an audio message, though such would likely be less convenient.

[000141] 7. Tom can also not provide a reply message and simply not respond to the incoming text message. Alternatively, Tom can configure his mobile phone to automatically produce and send a reply message based on user settings or preferences, position, configuration, status, etc.

[000142] In this aspect of the invention, the calling party and the called party often use mobile communication devices, such as mobile phones. However, the parties can alternatively use other electronic devices, such as a PDA, a computer, etc.

[000143] The advantages of the invention exemplified by FIGs. 11-12 are numerous. Different embodiments or implementations may yield different advantages. One advantage is that communications for users of electronic devices can be flexibly provided. Another advantage is that communication mode changes can be performed at an electronic device to better suit the needs or condition of

the electronic device or user preferences. Still another advantage is that conversion of an audio message to a text message facilitates use a low cost network (such as the SMS network). Another advantage is reduced network bandwidth load. Yet still another advantage is that the sender can get back a message in the same format as they sent the original message, though the recipient may use the message in a different format or mode (e.g., recipient hears the text message as an audio message).

[000144] Moreover, it should be noted that with regards to any of the embodiments in which a voice call or a text message is incoming to an electronic device, not only can the user of the mobile device take an action (e.g., button press or voice-command) to decline the call/message but also the electronic device itself can automatically decline the call/message such that the user is not disturbed. For example, an electronic device can be configured through user settings (e.g., preferences) to decline calls/messages matching certain criteria. Also, an auto reply message can be configured to be automatically sent in response to the call/message. For a known, undesired marketing caller/message sender, the electronic device can automatically send a reply message demanding the sender not to call or send messages anymore, and to remove your information from their database.

[000145] Text messages received or sent can optionally embed indications of speech characteristics to be used, should the text message be converted to an audio format. The speech characteristics can pertain to voice, tone, pace, accent, and/or mood. The speech characteristics for the resulting speech can be set in preference or configuration information, set on a per message basis by users, or set by evaluation of monitored data pertaining to the user.

[000146] Additionally, the messages being transmitted can be encrypted for security purposes.

[000147] In one embodiment, an electronic device performing communications using audio and/or text messages according to the invention can further integrate (or have tethered thereto) one or more electrical components for

enhancing the hearing of the user of the electronic device. The electronic device will normally include a microphone and a speaker. The invention described herein can be considered an automated secretary for a user of an electronic device. The automated secretary can completely or partially respond to an incoming call/message so as to reduce disturbances to the user. The user can personalize the automated secretary through user settings (e.g., preferences), or the automated secretary can learn over time how to handle different incoming calls/messages. Besides handling or assisting the user with incoming calls/messages, the automated secretary can also assist with other activities, such as making calendar entries (e.g., meetings) in a calendar or responding to incoming callers/messages with relevant information pertaining to the user's schedule as maintained by the calendar (though the user could restrict such access to certain information and/or inquiring parties). For example, if an incoming text message asks "available for lunch today?", the automated secretary can check the user's availability for lunch by way of the user's calendar, then if the user is not available the automated secretary can quickly informing the inquiring party of same or propose another date. On the other hand, if the lunch time period is available in the user's calendar, then the automated secretary can either directly respond to the inquiring party of acceptance or propose a response to the user for review, modification and/or transmission.

[000148] It should be obvious to those skilled in the art that a number of embodiments performing communications using voice as well as audio and/or text messages can be implemented using voice over Internet Protocol technologies, with signals delivered over the Web. For example, a calling party's communication or mobile device can include an adapter to convert voice signals to data packets before sending them over the Internet. A service provider can convert the packets back into voice signals before sending the voice signals to the called party's communication device. Similarly, embodiments can be implemented using voice over wireless protocols, such as Wi-Fi or Wi-Max networks. Using such technologies, computing devices can become communication devices.

[000149] The various embodiments, implementations, features and aspects of the invention noted above can be combined in various ways or used separately. Those skilled in the art will understand from the description that the invention can be equally applied to or used in other different settings with respect to various combinations, embodiments, implementations or features provided in the description herein.

[000150] The invention can be implemented in software, hardware or a combination of hardware and software. A number of embodiments of the invention can also be embodied as computer readable code on a computer readable medium. The computer readable medium is any data storage device that can store data which can thereafter be read by a computer system. Examples of the computer readable medium include read-only memory, random-access memory, CD-ROMs, magnetic tape, optical data storage devices, and carrier waves. The computer readable medium can also be distributed over network-coupled computer systems so that the computer readable code is stored and executed in a distributed fashion.

[000151] Numerous specific details are set forth in order to provide a thorough understanding of the present invention. However, it will become obvious to those skilled in the art that the invention may be practiced without these specific details. The description and representation herein are the common meanings used by those experienced or skilled in the art to most effectively convey the substance of their work to others skilled in the art. In other instances, well-known methods, procedures, components, and circuitry have not been described in detail to avoid unnecessarily obscuring aspects of the present invention.

[000152] In the foregoing description, reference to "one embodiment" or "an embodiment" means that a particular feature, structure, or characteristic described in connection with the embodiment can be included in at least one embodiment of the invention. The appearances of the phrase "in one embodiment" in various places in the specification are not necessarily all referring to the same embodiment, nor are separate or alternative embodiments mutually exclusive of other embodiments. Further, the order of blocks in process flowcharts or diagrams

representing one or more embodiments of the invention do not inherently indicate any particular order nor imply any limitations in the invention.

[000153] The many features and advantages of the present invention are apparent from the written description and, thus, it is intended by the appended claims to cover all such features and advantages of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation as illustrated and described. Hence, all suitable modifications and equivalents may be resorted to as falling within the scope of the invention.

AMENDMENTS to the Drawings:

Please add new figures 6-12 as attached.

Amendments to the Claims:

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

Listing of Claims:

1. (Currently amended) An article for managing communication of a user, in view of ~~a first device~~ of a person trying to electronically convey a message ~~from the first device~~ to a ~~second device~~ of the user without the need to know contact information of the device of the user, the article comprising:

a non-transitory computer readable storage medium comprising a plurality of instructions, when executed by a server, result in the server:

receiving the message ~~conveyed from the first~~ a device of the person;

identifying an identity of the person trying to electronically convey the message;

~~identifying contact information of the person trying to electronically convey the message;~~

determining whether the user is available to receive the message;

sending information to the first device as to ~~whether the user is available~~ the availability of the user to receive the message; and

setting a process ~~for~~ to electronically convey the message from the device of the person to the device of the user through the contact information of the device of the user, using one or more rules, based on at least a current status associated with the user, a preference of the user, and an access priority associated with the person,

wherein even when the process involves transmitting the message to the device of the user through the contact information of the device of the user, the contact information of the device of the user is not provided to the device of the person to prevent the person from contacting the device of the user through the contact information, without via the server.

2. (Currently amended) An article as recited in claim 1,
wherein the message is conveyed from the ~~first~~ device of the person based on Internet protocol,
wherein the process allows the user to receive the message via an access identifier of the user,
wherein the process allows the message to be conveyed from the ~~first~~ device of the person via a set of modes of communication,
wherein the set of modes of communication includes at least instant message and voice call, and
wherein the user has different access identifiers for at least two of the modes in the set of modes.
3. (Currently amended) An article as recited in claim 1,
wherein the message conveyed from the ~~first~~ device of the person is a text message, and
wherein the process includes converting the text message to voice if the message is to be presented as a voice message by the ~~second~~ device of the user to the user, in view at least of the preference of the user.
4. (Currently amended) An article as recited in claim 1, wherein the process includes presenting at the ~~second~~ device of the user, the identity of the person.
5. (Original) An article as recited in claim 1 wherein the process includes determining a reply to the message in view of the current status of the user.

REMARKS

Applicants presented claims 1-5 for examination. In the above-identified Office Action, the Examiner has rejected all the claims. By this amendment, Applicants have amended (a) the specification, and (b) claims 1-4 to further clarify the subject matter regarded as the invention. Accordingly, claims 1-5 remain pending. Applicants respectfully request that the Examiner reconsider the application in light of the amendments and the remarks expressed herein.

Specification Amendment

The specification has been amended. Support can be found, for example, in the Drawings, the Brief Description of the Drawings, and the Detailed Description of the Invention in US Patent 7,116,976, which has been incorporated by reference into the above-identified patent application.

Double Patenting

Claim 1 was rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1 and 11 of US Patent 9,204,268; claims 1, 8, 24, 39 and 53 of US Patent 8,744,407; claims 1, 10 and 17 of US Patent 7,729,688; and claims 1, 2, 7 and 9 of US Patent 7,116,976. Applicants respectfully disagree.

Since Applicants have amended claim 1, it is respectfully requested that the Examiner reconsider and withdraw the rejection on the ground of double patenting.

103 Rejection

Under 35 U.S.C. 103(a), claims 1, 2, 4 and 5 were rejected as being unpatentable over Pepper et al. (US 5,930,700, hereinafter "Pepper") in view of Hayes-Roth (US 2005/0038690 A1); and claim 3 was rejected as being unpatentable over Pepper in view of Hayes-Roth and further in view of Davis et al. (US 2005/0020288 A, hereinafter "Davis"). Applicants respectfully disagree.

Pepper pertains to screening and directing calls. Pepper's system allows a subscriber to have his incoming telephone calls screened to identify calls of high importance to the subscribers. By entering schedule information into an appointment calendar, and by entering client's information into the name and telephone number database, the subscriber indicates how to be located so that important calls will reach him immediately. These databases also tell the system which clients are of high priority to the subscriber so that lower priority calls can be directed to a voice mail system for access at the subscriber's convenience or routed to an attendant for action.

As acknowledged in the Office Action, Pepper at least does not teach or suggest limitations similar to "sending information to the first device as to the availability of the user to receive the message". To remedy the deficiencies, the Office Action cited Hayes-Roth.

Hayes-Roth describes a hook-up assistant (HUA) capable of contacting all parties involved in an event to determine mutually agreeable dates, times, and arrange necessary devices, resources, and services, etc., to ensure all parties involved can actually participate in the event at the planned time and place.

Hayes-Roth at least does not teach or suggest setting a process to electronically convey a message from the device of the person to the device of the user through the contact information of the device of the user, using one or more rules, based on an access priority associated with the person.

Further, both Pepper and Hayes-Roth also at least do not teach or suggest "managing communication of a user, in view of a person trying to electronically convey a message to a device of the user without the need to know contact information of the device of the user"; and "even when the process involves transmitting the message to the device of the user through the contact information of the device of the user, the contact information of the device of the user is not provided to the device of the person to prevent the person from contacting the device of the user through the contact information, without via the server", as in Applicants' independent claim 1.

For at least the reasons set forth above, Applicants submit that independent claim 1 is patentable over Pepper and Hayes-Roth, alone or in any combination.

Claims 2, 4 and 5 depend from and add additional features to independent claim 1. Applicants submit that these dependent claims are patentable over Pepper and Hayes-Roth for at least the reasons discussed above with respect to claim 1.

As to claim 3, the Office Action acknowledged that both Pepper and Hayes-Roth do not teach or suggest "the message conveyed from the device of the person is a text message, and the process includes converting the text message to voice if the message is to be presented as a voice message by the device of the user to the user, in view at least of the preference of the user." To remedy the deficiencies, the Office Action introduced Davis.

Even if combining Pepper, Hayes-Roth, and/or Davis were appropriate, which Applicants respectfully disagree, and even if the references were actually combinable, the above-noted serious deficiencies of Pepper and Hayes-Roth remain. The reliance on Davis for additional features in dependent claim 3 does not remedy the deficiencies of Pepper and Hayes-Roth noted above regarding the independent claim 1. Applicants submit that dependent claim 3 is patentable over Pepper, Hayes-Roth and/or Davis, singly or in any combination, for at least the reasons discussed above with respect to claim 1.

Further the independent or the dependent claims recite additional elements which when taken in the context of the claimed invention further patentably distinguish from Pepper, Hayes-Roth and Davis. The additional limitations recited in the independent claim or the dependent claims are not further discussed as the above-discussed limitations are clearly sufficient to distinguish the claimed invention from Pepper, Hayes-Roth, and Davis.

Thus, it is respectfully requested that the Examiner withdraw the rejection of claims 1-5 under 35 USC §103(a).

Applicants further note that the Office Action makes a number of other assertions against Applicants' claimed invention. It should not be concluded that Applicants agree with or acquiesce to the Office Action's stated position on these matters, even if Applicants do not address the Office Action's stated position

directly. Rather, in general, Applicants do not agree with the Office Action's stated positions regarding these issues. For example, there is insufficient motivation, suggestion or teaching, or logical or practical reason that would lead one skilled artisan at the time of Applicants' invention to combine Pepper, Hayes-Roth and/or Davis, as suggested in the Office Action. However, since it is believed that Applicants' position stated above overcomes the Office Action's rejections, at this time Applicants do not feel the need to further address the Office Action's other stated positions beyond the position addressed above. Nonetheless, Applicants reserve the right to address such positions of the Office Action at a later time.

Summary

In view of the foregoing, it is respectfully requested that all outstanding rejections be reconsidered and withdrawn. Reconsideration of the application and an early Notice of Allowance for claims 1-5 as well are earnestly solicited. If there are any issues remaining which the Examiner believes could be resolved through either a Supplemental Response or an Examiner's Amendment, the Examiner is respectfully requested to contact the undersigned representative at the telephone number listed below.

Respectfully submitted,

5150 El Camino Real
Building A, Suite 22
Los Altos, CA 94022
(650) 903-9200 ext 102

By: /Peter P. Tong/
Peter P. Tong
Registration No.: 35,757

REPLACEMENT SHEET

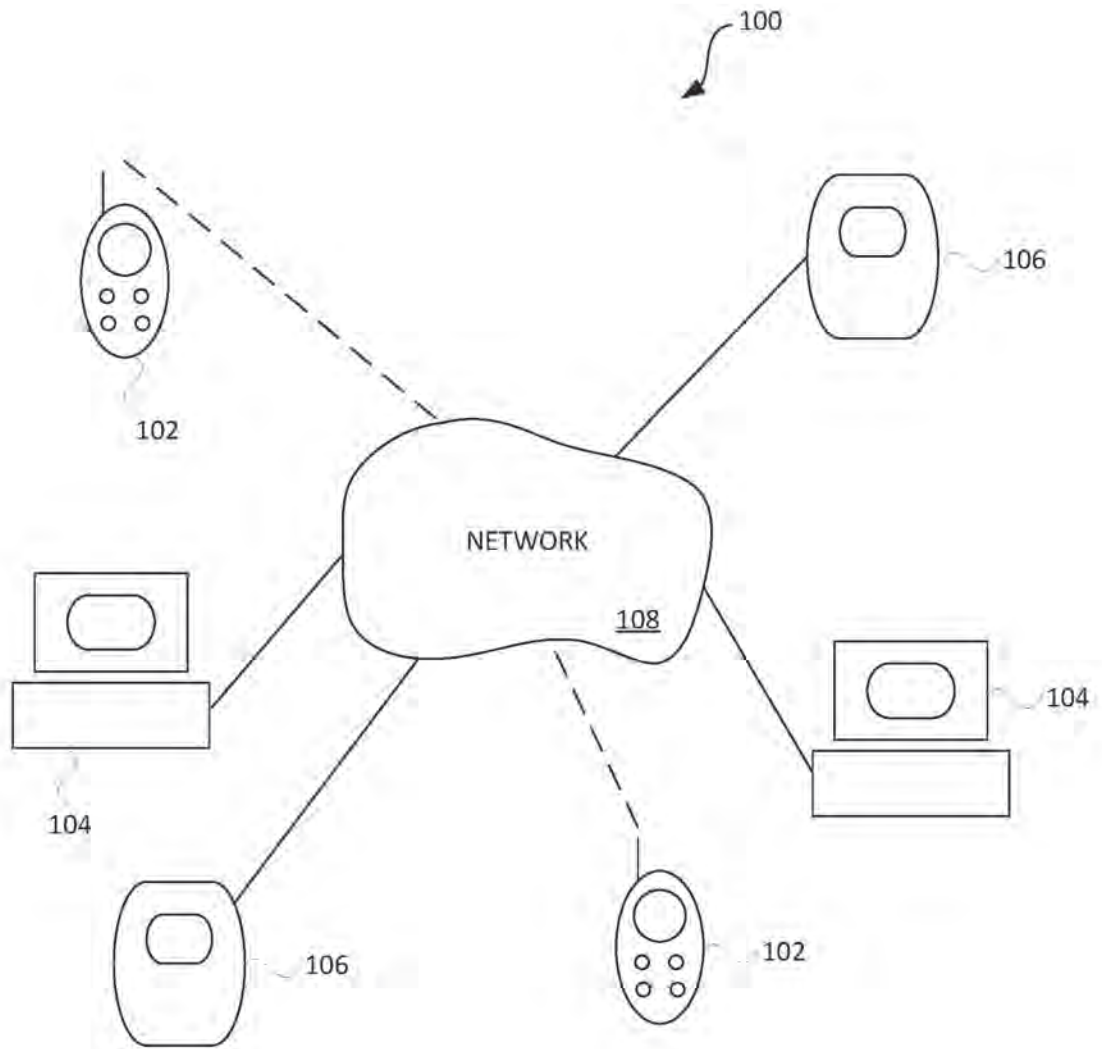


FIG. 6

REPLACEMENT SHEET

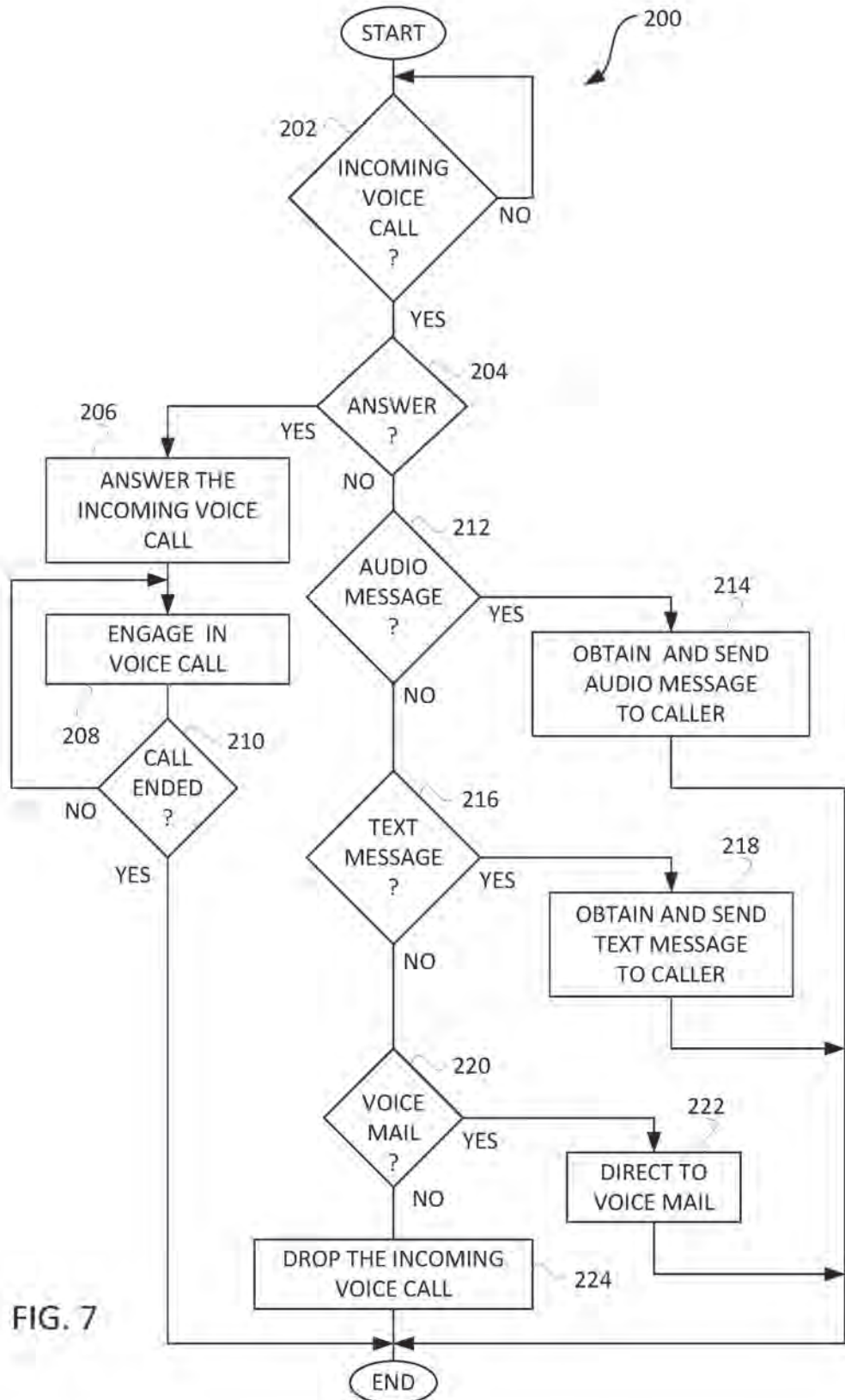


FIG. 7

NEW SHEET

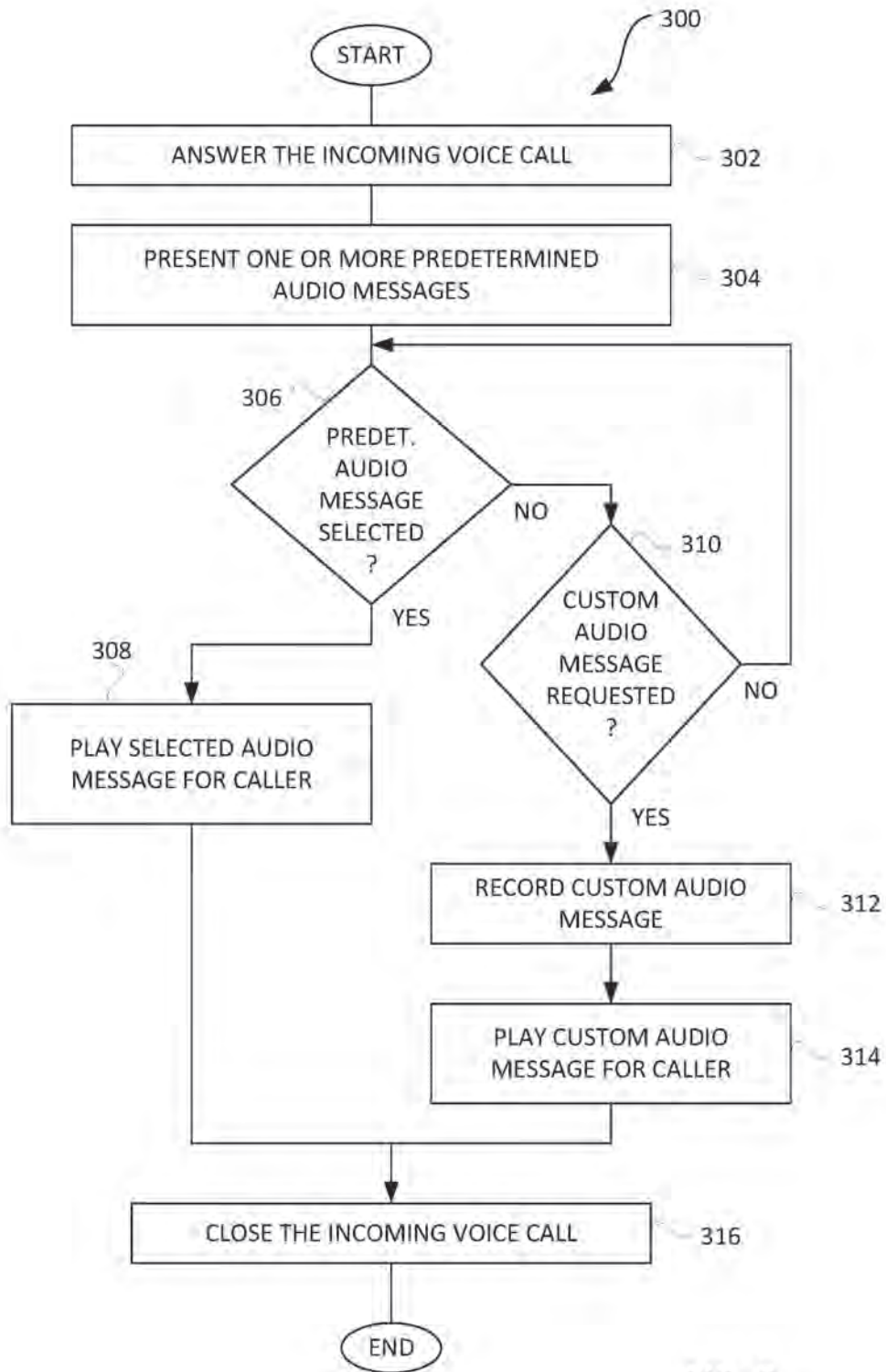


FIG. 8

NEW SHEET

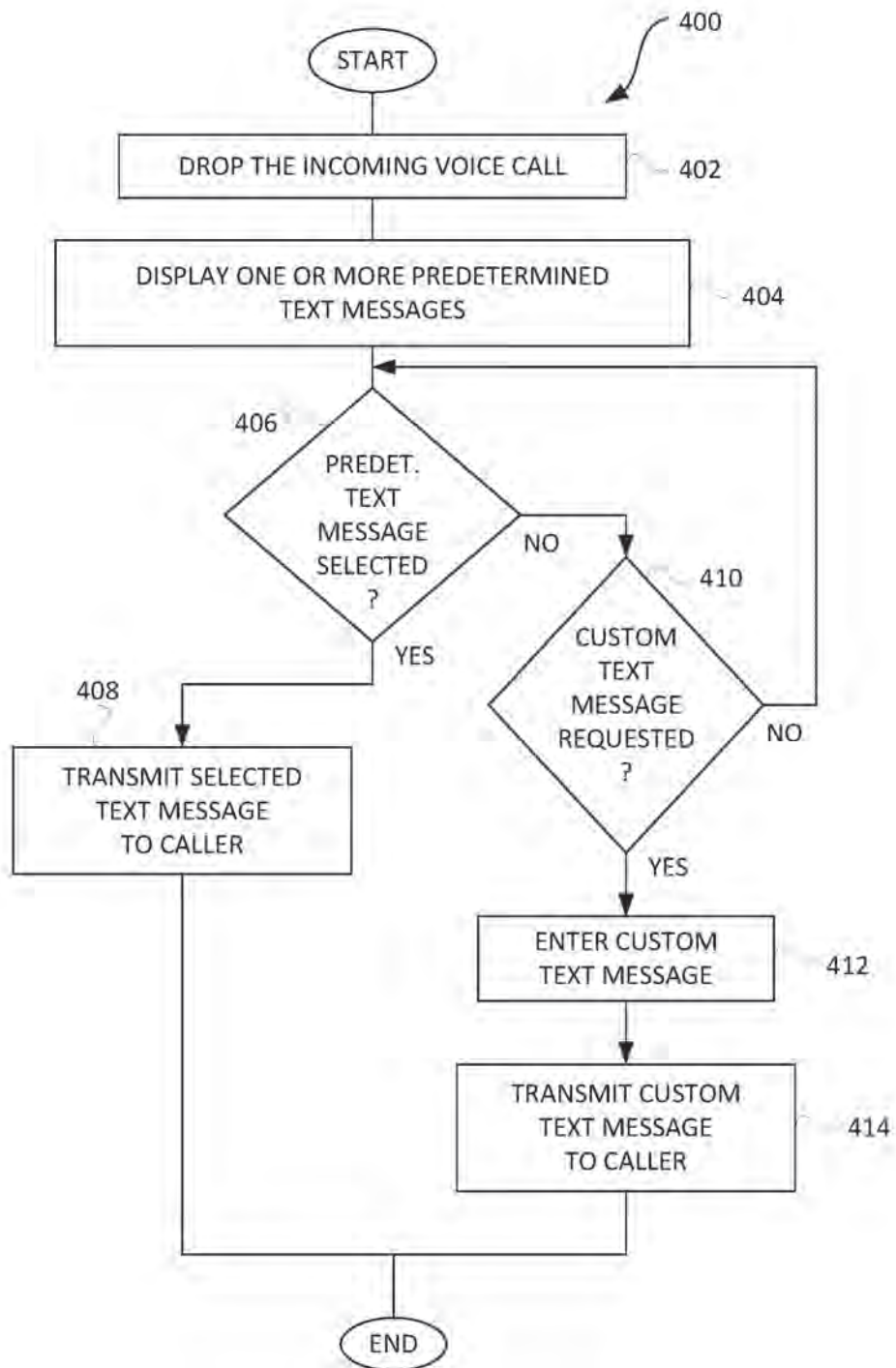


FIG. 9

NEW SHEET

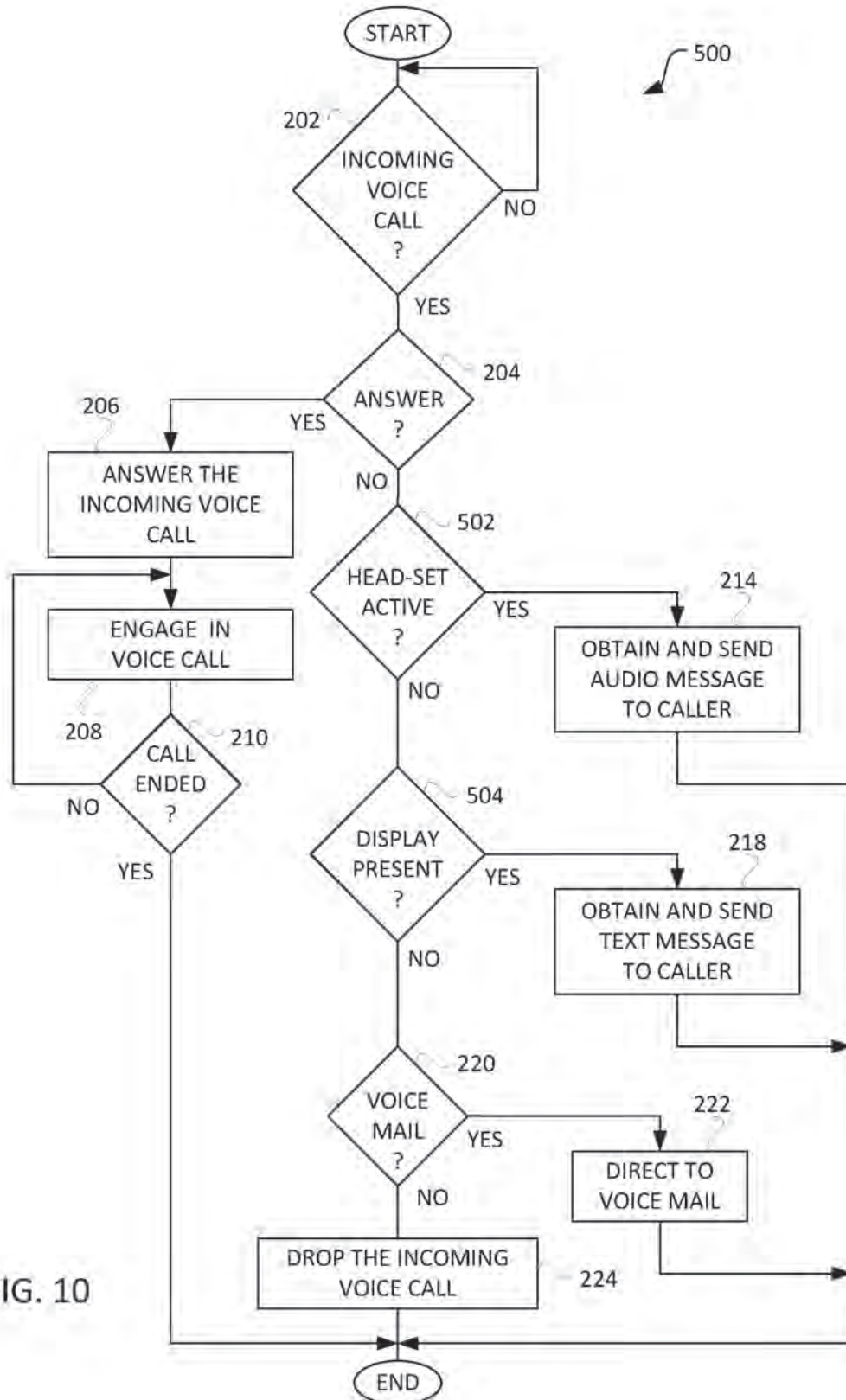


FIG. 10

NEW SHEET

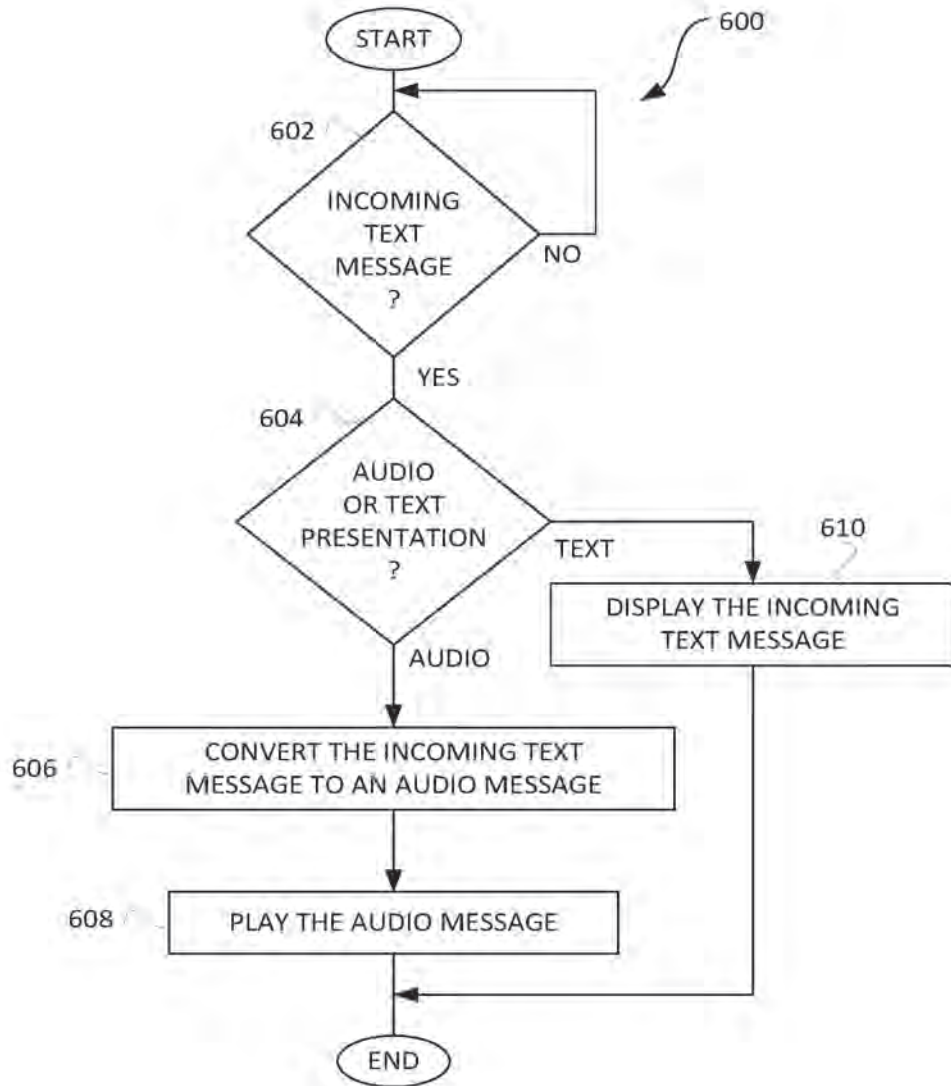


FIG. 11

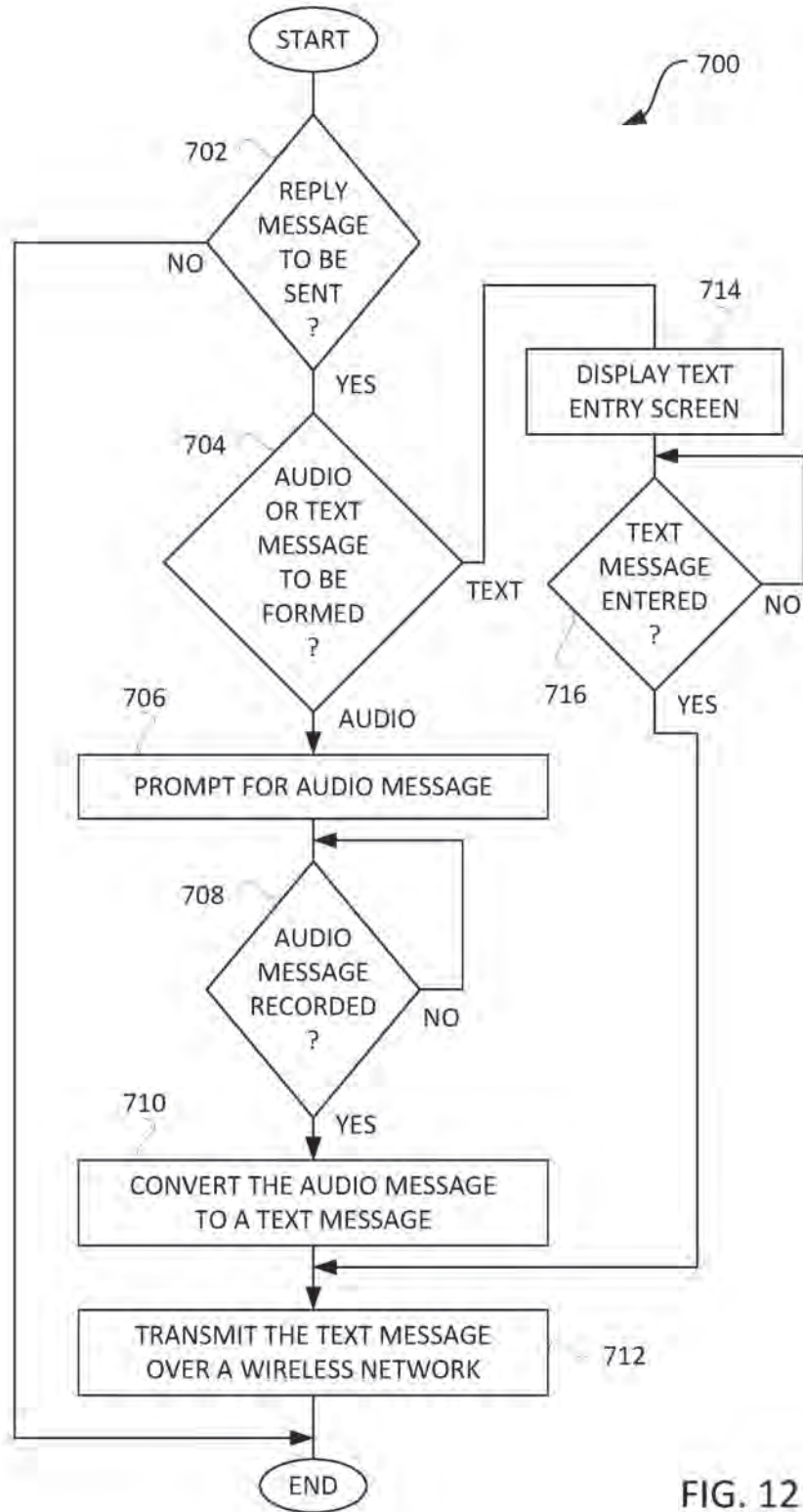


FIG. 12

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

In re application of: Cheung et al. Attorney Docket No.: IPVMCP02C3
Application No.: 14/922,344 Examiner: DOAN, KIET M.
Filed: October 26, 2015 Group: 2641
Title: SYSTEMS AND PROCESSES TO
MANAGE MULTIPLE MODES OF
COMMUNICATION

**INFORMATION DISCLOSURE STATEMENT
BEFORE FINAL ACTION OR NOTICE OF ALLOWANCE
(37 CFR §§ 1.56 AND 1.97(c))**

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

Dear Sir:

The references listed in the attached PTO Form 1449, a copy of which is attached, may be material to examination of the above-identified patent application. Applicants submit this reference in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make this citation of official record in this application.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that this reference indeed constitutes prior art.

This Information Disclosure Statement is being filed after the mailing date of the first Office Action on the merits, or after three months of the filing date of this application, whichever event occurred last, but it is believed before the mailing date of either: (i) a final action under §1.113 or (ii) a notice of allowance under §1.311, whichever occurs first.

Appln. No. 14/922,344

I

Atty. Docket No. IPVMCP02C3

Accompanying this Information Disclosure Statement is

- a statement as specified in 37 CFR 1.97(e); or
- the fee set forth in 37 CFR 1.17(p).

Electronic Fee in payment of the Information Disclosure Statement Fee is provided herewith. If it is determined that any additional fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 50-3874 (Order No. IPVMCP02C3).

Respectfully submitted,

/Peter P. Tong/

Peter P. Tong
Registration No: 35,757

5150 El Camino Real
Building A, Suite 22
Los Altos, CA 94022

| | | |
|--|------------------|------------------|
| Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary) | Atty. Docket No. | IPVMCP02C3 |
| | Application No.: | 14/922.344 |
| | Applicant | Cheung et al. |
| | Filing Date | October 26, 2015 |
| | Group | 2641 |
| | | Page 1 of 1 |

U.S. Patent Documents

| Examiner Initial | No. | Patent No. | Date | Patentee | Class | Sub-class | Filing Date |
|------------------|-----|-----------------|--------|---------------|-------|-----------|-------------|
| | 1. | 2001/0014611 A1 | Aug-01 | Dufort | | | |
| | 2. | 2003/0065779 A1 | Apr-03 | Malik | | | |
| | 3. | 9,204,268 B2 | Dec-15 | Cheung et al. | | | |
| | 4. | | | | | | |
| | 5. | | | | | | |
| | 6. | | | | | | |
| | 7. | | | | | | |
| | 8. | | | | | | |
| | 9. | | | | | | |
| | 10. | | | | | | |

Foreign Documents

| Init. | Document No. | Date | Country | Class | Subclass | Translation | |
|-------|--------------|------|---------|-------|----------|-------------|----|
| | | | | | | Yes | No |
| | | | | | | | |
| | | | | | | | |

Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)

| | |
|---|--|
| A | |
| B | |
| C | |
| D | |
| E | |
| F | |
| G | |
| H | |
| I | |

| | |
|----------|-----------------|
| Examiner | Date Considered |
|----------|-----------------|

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Electronic Patent Application Fee Transmittal

| | | | | |
|--|---|-----------------|---------------|-----------------------------|
| Application Number: | 14922344 | | | |
| Filing Date: | 26-Oct-2015 | | | |
| Title of Invention: | SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION | | | |
| First Named Inventor/Applicant Name: | Kwok Wai Cheung | | | |
| Filer: | Peter P. Tong/Angela Nijim | | | |
| Attorney Docket Number: | IPVMCP02C3 | | | |
| Filed as Small Entity | | | | |
| Filing Fees for Utility under 35 USC 111(a) | | | | |
| Description | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
| Basic Filing: | | | | |
| Pages: | | | | |
| Claims: | | | | |
| Miscellaneous-Filing: | | | | |
| Petition: | | | | |
| Patent-Appeals-and-Interference: | | | | |
| Post-Allowance-and-Post-Issuance: | | | | |
| Extension-of-Time: | | | | |

| Description | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
|---|----------|----------|--------|----------------------|
| Extension - 1 month with \$0 paid | 2251 | 1 | 100 | 100 |
| Miscellaneous: | | | | |
| Submission- Information Disclosure Stmt | 2806 | 1 | 90 | 90 |
| Total in USD (\$) | | | | 190 |

Electronic Acknowledgement Receipt

| | |
|---|---|
| EFS ID: | 26575586 |
| Application Number: | 14922344 |
| International Application Number: | |
| Confirmation Number: | 9763 |
| Title of Invention: | SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION |
| First Named Inventor/Applicant Name: | Kwok Wal Cheung |
| Customer Number: | 34071 |
| Filer: | Peter P. Tong |
| Filer Authorized By: | |
| Attorney Docket Number: | IPVMCP02C3 |
| Receipt Date: | 08-AUG-2016 |
| Filing Date: | 26-OCT-2015 |
| Time Stamp: | 17:28:19 |
| Application Type: | Utility under 35 USC 111(a) |

Payment information:

| | |
|--|-----------------------|
| Submitted with Payment | yes |
| Payment Type | CARD |
| Payment was successfully received in RAM | \$ 190 |
| RAM confirmation Number | 080916INTEFSW17291200 |
| Deposit Account | 3759 |
| Authorized User | Angela Nijim |

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

37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

| Document Number | Document Description | File Name | File Size(Bytes)/ Message Digest | Multi Part /.zip | Pages (if appl.) |
|-----------------|-------------------------------|-------------------------------|--|------------------|------------------|
| 1 | Miscellaneous Incoming Letter | IPVMCP02C3_AmdATrans_8-16.pdf | 18567 006100752251a115042107839a0781131-9A8c5 | no | 1 |

Warnings:

Information:

| | | | | | |
|---|--|---|--|-----|----|
| 2 | | IPVMCP02C3_AmdAwithRevDrawings_AsFiled_8-16.pdf | 253819 d56ac09898662714378e78d701fae7812b3923 | yes | 45 |
|---|--|---|--|-----|----|

Multipart Description/PDF files in .zip description

| Document Description | Start | End |
|---|-------|-----|
| Amendment/Req. Reconsideration-After Non-Final Reject | 1 | 38 |
| Drawings-only black and white line drawings | 39 | 45 |

Warnings:

Information:

| | | | | | |
|---|--------------------|------------------------------|---|----|---|
| 3 | Transmittal Letter | IPVMCP02C3_IDSTrans_8-16.pdf | 22993 0094738e70a074511915079149700a0a00a541f5 | no | 2 |
|---|--------------------|------------------------------|---|----|---|

Warnings:

Information:

| | | | | | |
|---|--|--------------------------|---|----|---|
| 4 | Information Disclosure Statement (IDS) Form (SB08) | IPVMCP02C3_1449_8-16.pdf | 20606 0000070a16201183211a03000126c30e2a8f1a85 | no | 1 |
|---|--|--------------------------|---|----|---|

Warnings:

Information:

This is not an USPTO supplied IDS fillable form

| | | | | | |
|---|----------------------|--------------|--|----|---|
| 5 | Fee Worksheet (SB06) | fee-info.pdf | 32908 27efc228a11770ca05ca1f060d523e159b9f1503a | no | 2 |
|---|----------------------|--------------|--|----|---|

Warnings:

| | |
|---|--------|
| Information: | |
| Total Files Size (in bytes): | 348893 |
| <p>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.</p> <p><u>New Applications Under 35 U.S.C. 111</u> 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.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> 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.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> 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.</p> | |

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Cheung et al,

Attorney Docket No.: IPVMCP02C3

Application No.: 14/922,344

Examiner: DOAN, KIET M.

Filed: October 26, 2015

Group: 2641

Title: SYSTEMS AND PROCESSES TO
MANAGE MULTIPLE MODES OF
COMMUNICATION

AMENDMENT A TRANSMITTAL

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

Sir:

Transmitted herewith is an Amendment in the above-identified application.

The fee has been calculated as shown below.

| | Claims After Amendment | | Highest Previously Paid For | Present Extra | Small Entity Rate Fee | Large Entity Rate Fee |
|--|------------------------------|-------|-----------------------------------|------------------|--------------------------|--------------------------|
| Total Claims | 5 | MINUS | 20 | 00 | x 40 = | x 80 = |
| Independent Claims | 1 | MINUS | 3 | 00 | x 210 = | x 420 = |
| Multiple Dependent Claim Present and Fee Not Previously Paid | | | | | \$ | \$ |
| Total | | | | | \$0.00 | \$ |

- Applicant(s) hereby petition for a one - month extension(s) of time to respond to the aforementioned Office Action.
- Applicant(s) believe that no (additional) Extension of Time is required; however, if it is determined that such an extension is required, Applicant(s) hereby petition that such an extension be granted and authorize the Commissioner to charge the required fees for an Extension of Time under 37 CFR 1.136 to Deposit Account No. 50-3874 (Order No. IPVMCP02C3).
- Any fees due are being paid electronically herewith.
- Please charge any additional fees required to facilitate filing the enclosed response, to Deposit Account No. 50-3874 (Order No. IPVMCP02C3).

Respectfully submitted,

/Peter P. Tong/

Peter P. Tong
Reg. No. 35,757

Appln. No. 14/922,344

Atty. Docket No. IPVMCP02C3

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| | | | | | |
|---|---|--------------|---|----------------------------------|---------------------------------------|
| PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875 | | | Application or Docket Number 14/922,344 | Filing Date 10/26/2015 | <input type="checkbox"/> To be Mailed |
| ENTITY: <input type="checkbox"/> LARGE <input checked="" type="checkbox"/> SMALL <input type="checkbox"/> MICRO | | | | | |
| APPLICATION AS FILED – PART I | | | | | |
| (Column 1) | | (Column 2) | | | |
| FOR | NUMBER FILED | NUMBER EXTRA | RATE (\$) | FEE (\$) | |
| <input type="checkbox"/> BASIC FEE <small>(37 CFR 1.16(a), (b), or (c))</small> | N/A | N/A | N/A | | |
| <input type="checkbox"/> SEARCH FEE <small>(37 CFR 1.16(k), (l), or (m))</small> | N/A | N/A | N/A | | |
| <input type="checkbox"/> EXAMINATION FEE <small>(37 CFR 1.16(o), (p), or (q))</small> | N/A | N/A | N/A | | |
| TOTAL CLAIMS <small>(37 CFR 1.16(j))</small> | minus 20 = | * | X \$ = | | |
| INDEPENDENT CLAIMS <small>(37 CFR 1.16(h))</small> | minus 3 = | * | X \$ = | | |
| <input type="checkbox"/> APPLICATION SIZE FEE <small>(37 CFR 1.16(s))</small> | If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). | | | | |
| <input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT <small>(37 CFR 1.16(j))</small> | | | | | |
| * If the difference in column 1 is less than zero, enter "0" in column 2. | | | TOTAL | | |

| | | | | | | |
|---|--|----------------------------------|------------------------------------|---------------|-----------------|---------------------|
| APPLICATION AS AMENDED – PART II | | | | | | |
| (Column 1) | | (Column 2) | | (Column 3) | | |
| AMENDMENT | 08/08/2016 | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE (\$) | ADDITIONAL FEE (\$) |
| | Total (37 CFR 1.16(i)) | • 5 | Minus ** 20 | = 0 | X \$40 = | 0 |
| | Independent (37 CFR 1.16(h)) | - 1 | Minus *** 3 | = 0 | X \$210 = | 0 |
| | <input type="checkbox"/> Application Size Fee (37 CFR 1.16(s)) | | | | | |
| | <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) | | | | | |
| | | | | | TOTAL ADD'L FEE | 0 |

| | | | | | | |
|--|--|------------------------------------|---------------|------------|---------------------|--|
| (Column 1) | | (Column 2) | | (Column 3) | | |
| AMENDMENT | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE (\$) | ADDITIONAL FEE (\$) | |
| | Total (37 CFR 1.16(i)) | - | Minus ** | = | X \$ = | |
| | Independent (37 CFR 1.16(h)) | - | Minus *** | = | X \$ = | |
| | <input type="checkbox"/> Application Size Fee (37 CFR 1.16(s)) | | | | | |
| | <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) | | | | | |
| | | | | | TOTAL ADD'L FEE | |
| <p>* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.</p> | | | | | | |
| LIE /RUTH LLOYD/ | | | | | | |

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



UNITED STATES PATENT AND TRADEMARK OFFICE

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

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 14/922,344 | 10/26/2015 | Kwok Wai Cheung | IPVMCP02C3 | 9763 |

34071 7590 10/07/2016
IPVENTURE, INC.
5150 EL CAMINO REAL
SUITE A-22
LOS ALTOS, CA 94022

| |
|----------|
| EXAMINER |
|----------|

DOAN, KIET M.

| ART UNIT | PAPER NUMBER |
|----------|--------------|
| 2641 | |

| MAIL DATE | DELIVERY MODE |
|------------|---------------|
| 10/07/2016 | PAPER |

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.

DETAILED ACTION

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

This Office Action is in response to Applicant Remarks filed on 08/08/2016.

Claims 1-4 are amended.

Double Patenting

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

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

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claim 1 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1 and 11 of US Patent 9,204,268 B2; over claims 1, 8, 24, 39 and 53 of US Patent 8,744,407 B2; over claims 1, 10 and 17 of US

Patent 7,729,688 B2 and over claims 1, 2, 7 and 9 of US Patent 7, 116,976 B2 Although the conflicting claims are not identical, they are not patentably distinct from each other because claim 1 limitation are found in claims 1 and 11 of US Patent 9,204,268 B2; claims 1, 8, 24, 39 and 53 of US Patent 8,744,407 B2; claims 1, 10 and 17 of US Patent 7,729,688 B2 with obvious wording variation such as they all drawn to receiving the message conveyed from the first device; identifying an identity of the person trying to electronically convey the message; identifying contact information of the person trying to electronically convey the message.

It is important to note that claimed features recited in claims 1 and 11 of US Patent 9,204,268 B2; claims 1, 8, 24, 39 and 53 of US Patent 8,744,407 B2; claims 1, 10 and 17 of US Patent 7,729,688 B2 and claims 1, 2, 7 and 9 of US Patent 7, 116,976 B2 are more specific than claimed features recited in claim 1 of the instant application. Hence, the scope of claims of present application is now broader than US Patent 9,204,268 B2; US Patent 8,744,407 B2; US Patent 7,729,688 B2.

Many decisions support the fact that a broad or generic claim is obvious from a specific claim, i.e., an obvious variation. See *In re Van Ornum and Stang*, 214 USPQ 761 (CCPA 1982); *In re Goodman* (CA FC) 29 USPQ2d 2010 (12/3/1993); *In re Vogel and Vogel*; 164 USPQ 619 (CCPA 1970); *In re Berg* (CA FC) 46 USPQ2d 1226 (3/30/1998); *Eli Lilly and Co. v. Barr Laboratories Inc.*, 58 USPQ2d 1865 (CA FC 2001). It is well settled that omission of an element and its function in a combination is an obvious expedient if the remaining elements perform the same functions as before.

This notion is supported by *In re KARLSON*, 136 USPQ 184 (1963); *In re Nelson*, 95 USPQ 82 (CCPA 1952); and *In re Eliot*, 25 USPQ 111 (CCPA 1935).


Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KIET DOAN whose telephone number is (571)272-7863. The examiner can normally be reached on 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Appiah can be reached on 571-272-7904. 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.

/KIET DOAN/
Primary Examiner, Art Unit 2641

| | | |
|--|--|---|
| Search Notes  | Application/Control No. 14922344 | Applicant(s)/Patent Under Reexamination CHEUNG ET AL. |
| | Examiner KIET DOAN | Art Unit 2641 |

| CPC- SEARCHED | | |
|---------------|-----------|----------|
| Symbol | Date | Examiner |
| | 4/25/2016 | |
| H04M1/64 | | KD |
| G06Q10/109 | | KD |

| CPC COMBINATION SETS - SEARCHED | | |
|---------------------------------|------|----------|
| Symbol | Date | Examiner |
| | | |

| US CLASSIFICATION SEARCHED | | | |
|----------------------------|--------------|-----------|----------|
| Class | Subclass | Date | Examiner |
| | | 4/25/2016 | |
| 455 | 445 | | KD |
| | 463 | | KD |
| | 411 | | KD |
| | 412.1 | | KD |
| | 412.2 | | KD |
| | 466 | | KD |
| 370 | 495 | | KD |
| | 276 | | KD |
| | 286 | | KD |
| | 259 | | KD |
| | 468 | | KD |
| | 426 | | KD |
| 455 | 414 | | KD |
| | | 9/30/2016 | |
| | TD rejection | | KD |

| SEARCH NOTES | | |
|-----------------|-----------|----------|
| Search Notes | Date | Examiner |
| | 4/25/2016 | |
| Inventor search | | KD |

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SEARCH NOTES

| Search Notes | Date | Examiner |
|--|-----------|----------|
| Eats search | | KD |
| (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and text\$3 near2 voice\$1 and @ad<"20031010" | | KD |
| (server (base near station)) with (send\$3 transmit\$3) with (info information message\$1 text) with (wife (girl near friend\$1) love\$2 boss (boy adj friend\$1) friend\$1 spouse) and text near1 voice | | KD |
| (H04N21/458 OR G06Q10/109 OR G06Q10/1093 OR G06Q50/01 OR H04L2012/6481 OR H04L12/581 OR H04M1/663 OR H04M7/0033 OR H04M2203/2072 OR H04M1/64 OR H04M1/72513 OR H04M1/72566 OR H04M3/432 OR H04M3/565).CPC. | | KD |
| (server (base near station) computer) with (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and text near1 voice | | KD |
| (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and priority and schedul\$3 and (id identif\$3) with call\$3 and (id identif\$3) with (message\$1 text) | | KD |
| | 9/30/2016 | |
| TD rejection | | KD |

INTERFERENCE SEARCH

| US Class/ CPC Symbol | US Subclass / CPC Group | Date | Examiner |
|-------------------------|-------------------------|-----------|----------|
| | | 4/25/2016 | |
| 709 | 228 | | KD |

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| | | |
|--|--|---|
| <i>Index of Claims</i>  | Application/Control No. 14922344 | Applicant(s)/Patent Under Reexamination CHEUNG ET AL. |
| | Examiner KIET DOAN | Art Unit 2641 |

| | |
|---|-----------------|
| ✓ | 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 | 04/23/2016 | 09/30/2016 | | | | | | |
| | 1 | ✓ | ✓ | | | | | | |
| | 2 | ✓ | ✓ | | | | | | |
| | 3 | ✓ | ✓ | | | | | | |
| | 4 | ✓ | ✓ | | | | | | |
| | 5 | ✓ | ✓ | | | | | | |

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

| | | | | | | | |
|----------------------|-----------------|-------------|------------|-------------------------------|---------------|----------|------|
| Application Number | 14922344 | Filing Date | 2016-10-07 | Docket Number (if applicable) | IPVMCP02C3 | Art Unit | 2641 |
| First Named Inventor | KWOK WAI CHEUNG | | | Examiner Name | DOAN, KIET M. | | |

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

SUBMISSION REQUIRED UNDER 37 CFR 1.114

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

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

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

Other _____

Enclosed

Amendment/Reply

Information Disclosure Statement (IDS)

Affidavit(s)/ Declaration(s)

Other _____

MISCELLANEOUS

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

Other _____

FEES

The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.
 The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No 503874

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Patent Practitioner Signature
 Applicant Signature

Doc code: RCEX

Doc description: Request for Continued Examination (RCE)

PTO/SB/30EFS (07-09)

Approved for use through 07/31/2012. OMB 0651-0031

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

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| Signature of Registered U.S. Patent Practitioner | | | |
|--|----------------|---------------------|------------|
| Signature | Peter P. Tong/ | Date (YYYY-MM-DD) | 2017-01-09 |
| Name | Peter P. Tong | Registration Number | 35757 |

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

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

Privacy Act Statement

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

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

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

Electronic Patent Application Fee Transmittal

| | | | | |
|--|---|----------|--------|----------------------|
| Application Number: | 14922344 | | | |
| Filing Date: | 26-Oct-2015 | | | |
| Title of Invention: | SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION | | | |
| First Named Inventor/Applicant Name: | Kwok Wai Cheung | | | |
| Filer: | Peter P. Tong/Angela Nijim | | | |
| Attorney Docket Number: | IPVMCP02C3 | | | |
| Filed as Small Entity | | | | |
| Filing Fees for Utility under 35 USC 111(a) | | | | |
| Description | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
| Basic Filing: | | | | |
| Pages: | | | | |
| Claims: | | | | |
| Miscellaneous-Filing: | | | | |
| Petition: | | | | |
| Patent-Appeals-and-Interference: | | | | |
| Post-Allowance-and-Post-Issuance: | | | | |
| Extension-of-Time: | | | | |

| Description | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
|--------------------------|----------|----------|--------|----------------------|
| Miscellaneous: | | | | |
| RCE- 1st Request | 2801 | 1 | 600 | 600 |
| Total in USD (\$) | | | | 600 |

Electronic Acknowledgement Receipt

| | |
|---|---|
| EFS ID: | 28015679 |
| Application Number: | 14922344 |
| International Application Number: | |
| Confirmation Number: | 9763 |
| Title of Invention: | SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION |
| First Named Inventor/Applicant Name: | Kwok Wal Cheung |
| Customer Number: | 34071 |
| Filer: | Peter P. Tong/Angela Nijim |
| Filer Authorized By: | Peter P. Tong |
| Attorney Docket Number: | IPVMCP02C3 |
| Receipt Date: | 09-JAN-2017 |
| Filing Date: | 26-OCT-2015 |
| Time Stamp: | 20:42:39 |
| Application Type: | Utility under 35 USC 111(a) |

Payment information:

| | |
|--|-----------------------|
| Submitted with Payment | yes |
| Payment Type | CARD |
| Payment was successfully received in RAM | \$600 |
| RAM confirmation Number | 011017INTEFSW20444400 |
| Deposit Account | 503874 |
| Authorized User | Angela Nijim |

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

37 CFR 1.21 (Miscellaneous fees and charges)

| File Listing: | | | | | |
|-------------------------------------|---|------------------------------------|--|-------------------------|-------------------------|
| Document Number | Document Description | File Name | File Size(Bytes)/ Message Digest | Multi Part /.zip | Pages (if appl.) |
| 1 | Miscellaneous Incoming Letter | IPCMCP02C3_AmdBTrans_1-9-17.pdf | 18706 65030501302c352da0733dc3599396337621000 | no | 1 |
| Warnings: | | | | | |
| Information: | | | | | |
| 2 | Response After Final Action | IPVMCP02C3_AmdB_AsFiled_1-9-17.pdf | 40468 e42ee68ba9c77790c9e0d410d0f02bda5a11b0 | no | 7 |
| Warnings: | | | | | |
| Information: | | | | | |
| 3 | Request for Continued Examination (RCE) | IPVMCP02C3_RCE_1-9-17.pdf | 697613 2225af16131223220c60799a0nd5012001f6e9 | no | 3 |
| Warnings: | | | | | |
| Information: | | | | | |
| 4 | Fee Worksheet (SB06) | fee-info.pdf | 30861 1603a040707f1aa5662fb54d979022317e01162 | no | 2 |
| Warnings: | | | | | |
| Information: | | | | | |
| Total Files Size (in bytes): | | | 787648 | | |

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Cheung et al.

Attorney Docket No.: IPVMCP02C3

Application No.: 14/922,344

Examiner: DOAN, KIET M.

Filed: October 26, 2015

Group: 2641

Title: SYSTEMS AND PROCESSES TO
MANAGE MULTIPLE MODES OF
COMMUNICATION

AMENDMENT B TRANSMITTAL

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

Sir:

Transmitted herewith is an Amendment in the above-identified application.

The fee has been calculated as shown below.

| | Claims After Amendment | | Highest Previously Paid For | Present Extra | Small Entity Rate Fee | Large Entity Rate Fee |
|--|------------------------------|-------|-----------------------------------|------------------|--------------------------|--------------------------|
| Total Claims | 10 | MINUS | 20 | 00 | x 40 = | x 80 = |
| Independent Claims | 2 | MINUS | 3 | 00 | x 210 = | x 420 = |
| Multiple Dependent Claim Present and Fee Not Previously Paid | | | | | \$ | \$ |
| Total | | | | | \$0.00 | \$ |

- Applicant(s) hereby petition for a ____ - month extension(s) of time to respond to the aforementioned Office Action.
- Applicant(s) believe that no (additional) Extension of Time is required; however, if it is determined that such an extension is required, Applicant(s) hereby petition that such an extension be granted and authorize the Commissioner to charge the required fees for an Extension of Time under 37 CFR 1.136 to Deposit Account No. 50-3874 (Order No. IPVMCP02C3).
- Any fees due are being paid electronically herewith.
- Please charge any additional fees required to facilitate filing the enclosed response, to Deposit Account No. 50-3874 (Order No. IPVMCP02C3).

Respectfully submitted,

/Peter P. Tong/

Peter P. Tong
Reg. No. 35,757

Appln. No. 14/922,344

Atty. Docket No. IPVMCP02C3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Cheung et al. Attorney Docket No.: IPVMCP02C3

Application No.: 14/922,344 Examiner: DOAN, KIET M

Filed: October 26, 2015 Group: 2641

Title: SYSTEMS AND PROCESSES
TO MANAGE MULTIPLE MODES OF
COMMUNICATION

CERTIFICATE OF ELECTRONIC FILING

I hereby certify that this correspondence is being transmitted electronically to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on January 9, 2017.

Signed: /Angela D. Nijim/ Printed Name: Angela D. Nijim

AMENDMENT B

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

Dear Sir:

In response to the Final Office Action dated October 7, 2016, please amend the above-identified patent application as follows:

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

Remarks/Arguments begin on page 6 of this paper.

Amendments to the Claims:

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

Listing of Claims:

1. (Currently amended) An article for managing communication of a user, in view of a person trying to electronically convey a message to a device of the user without the need to know contact information of the device of the user, the article comprising:

a non-transitory computer readable storage medium comprising a plurality of instructions, when executed by a server, result in the server:

receiving the message from a device of the person;

identifying an identity of the person trying to electronically convey the message;

determining whether the user is available to receive the message;

sending information to the ~~first~~-device of the person as to the availability of the user to receive the message; and

setting a process to electronically convey the message from the device of the person to the device of the user through the contact information of the device of the user, using one or more rules, based on at least a current status associated with the user, a preference of the user, and an access priority associated with the person,

wherein even when the process involves transmitting the message to the device of the user through the contact information of the device of the user, the contact information of the device of the user is not provided to the device of the person to prevent the person from contacting the device of the user through the contact information, without via the server.

2. (Previously presented) An article as recited in claim 1,

wherein the message is conveyed from the device of the person based on Internet protocol,

wherein the process allows the user to receive the message via an access identifier of the user,

wherein the process allows the message to be conveyed from the device of the person via a set of modes of communication,

wherein the set of modes of communication includes at least instant message and voice call, and

wherein the user has different access identifiers for at least two of the modes in the set of modes.

3. (Cancelled)

4. (Previously presented) An article as recited in claim 1, wherein the process includes presenting at the device of the user, the identity of the person.

5. (Original) An article as recited in claim 1 wherein the process includes determining a reply to the message in view of the current status of the user.

6. (New) An article for managing communication of a user, in view of a person trying to electronically deliver and present a message to a device of the user, the article comprising:

a non-transitory computer readable storage medium comprising a plurality of instructions, when executed by a server, result in the server:

receiving the message from a device of the person;

identifying an identity of the person trying to electronically deliver and present the message;

determining information regarding the availability of the user to receive the message;

sending to the device of the person, the information regarding the availability of the user to receive the message; and

setting a process to electronically deliver and present the message from the device of the person to the device of the user through contact

information of the device of the user, using one or more rules, based on at least an access priority associated with the person,

wherein even when the process involves delivering and presenting the message to the device of the user through the contact information of the device of the user, the contact information of the device of the user is not provided to the device of the person, and the message is delivered from the device of the person at least based on Internet protocol,

wherein the process allows the message to be delivered from the device of the person via a selected mode of communication from a plurality of different modes of communication, and

wherein the plurality of different modes of communication include at least text message and voice call.

7. (New) An article as recited in claim 6, wherein the message from the device of the person is a text message.

8. (New) An article as recited in claim 6, wherein the contact information of the device of the user is a phone number of the user.

9. (New) An article as recited in claim 6, wherein the process to electronically deliver and present the message from the device of the person to the device of the user is also based on a previously-established communication preference.

10. (New) An article as recited in claim 6, wherein the process to electronically deliver and present the message from the device of the person to the device of the user is also based on an activity of the user.

11. (New) An article as recited in claim 6,
wherein the process to electronically deliver and present the message from the device of the person to the device of the user also depends on a contact information of the device of the person, and

wherein even when the process involves delivering and presenting the message to the device of the user, the contact information of the device of the person is not provided to the device of the user.

REMARKS

Applicants previously presented claims 1 through 5 for examination. In the above-identified Office Action, the Examiner has rejected all the claims. By this amendment, Applicants have amended claim 1 to further clarify the subject matter regarded as the invention, cancelled claim 3 without prejudice or disclaimer of the embodiments defined therein, and have added claims 6-11. Accordingly, claims 1, 2, and 4-11 are pending. Applicants respectfully request that the Examiner reconsider the application in light of the amendments and the remarks expressed herein.

Double patenting

Claim 1 was rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1 and 11 of U.S. Patent No. 9,204,268; over claims 1, 8, 24, 39 and 53 of US Patent 8,744,407; over claims 1, 10 and 17 of US 7,729,688 B2; and over claims 1, 2, 7 and 9 of US Patent 7,116,976. Applicants respectfully disagree. Particularly, claim 1 should not be rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1, 2, 7 and 9 of US Patent 7,116,976. However, to expedite prosecution, Applicants have submitted a terminal disclaimer based on US Patent 9,204,268; US Patent 8,744,407; and US 7,729,688, to obviate the rejection. Accordingly, it is respectfully requested that the Examiner reconsider and withdraw the rejection on the ground of double patenting.

Applicants further note that the Office Action makes a number of other assertions against Applicants' claimed invention, such as certain limitations are found in certain claims, and certain limitations are being more specific than certain claimed features. It should not be concluded that Applicants agree with or acquiesce to the Office Action's stated position on these matters, even if Applicants do not address the Office Action's stated position directly. Rather, in general, Applicants do not agree with the Office Action's stated positions regarding these issues. However, since it is believed that Applicants' position stated above

overcomes the Office Action's rejections, at this time Applicants do not feel the need to address the Office Action's other stated positions beyond the position addressed above. Nonetheless, Applicants reserve the right to address such positions of the Office Action at a later time.

Summary

In view of the foregoing, it is respectfully requested that all outstanding rejections be reconsidered and withdrawn. Reconsideration of the application and an early Notice of Allowance is earnestly solicited. If there are any issues remaining which the Examiner believes could be resolved through either a Supplemental Response or an Examiner's Amendment, the Examiner is respectfully requested to contact the undersigned representative at the telephone number listed below.

Respectfully submitted,

5150 El Camino Real
Building A, Suite 22
Los Altos, CA 94022
(650) 903-9200 ext 102

By: /Peter P. Tong/
Peter P. Tong
Registration No.: 35,757

| | | |
|--|---|---|
| Doc Code: DIST.E.FILE Document Description: Electronic Terminal Disclaimer - Filed | | PTO/SB/26 U.S. Patent and Trademark Office Department of Commerce |
| Electronic Petition Request | TERMINAL DISCLAIMER TO OBLVIATE A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT | |
| Application Number | 14922344 | |
| Filing Date | 26-Oct-2015 | |
| First Named Inventor | Kwok Cheung | |
| Attorney Docket Number | IPVMCP02C3 | |
| Title of Invention | SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION | |
| <input checked="" type="checkbox"/> Filing of terminal disclaimer does not obviate requirement for response under 37 CFR 1.111 to outstanding Office Action <input checked="" type="checkbox"/> This electronic Terminal Disclaimer is not being used for a Joint Research Agreement. | | |
| Owner | Percent Interest | |
| IpVenture, Inc. | 100% | |
| <p>The owner(s) with percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent number(s)</p> <p>9204268 8744407 7729688</p> <p>as the term of said prior patent is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.</p> <p>In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the prior patent, "as the term of said prior patent is presently shortened by any terminal disclaimer," in the event that said prior patent later:</p> <ul style="list-style-type: none"> - expires for failure to pay a maintenance fee; - is held unenforceable; - is found invalid by a court of competent jurisdiction; - is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321; - has all claims canceled by a reexamination certificate; - is reissued; or - is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer. | | |

- Terminal disclaimer fee under 37 CFR 1.20(d) is included with Electronic Terminal Disclaimer request.
- I certify, in accordance with 37 CFR 1.4(d)(4), that the terminal disclaimer fee under 37 CFR 1.20(d) required for this terminal disclaimer has already been paid in the above-identified application.

Applicant claims the following fee status:

- Small Entity
- Micro Entity
- Regular Undiscounted

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES

I certify, in accordance with 37 CFR 1.4(d)(4) that I am:

- An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application
 Registration Number 35757
- A sole inventor
- A joint inventor; I certify that I am authorized to sign this submission on behalf of all of the inventors as evidenced by the power of attorney in the application
- A joint inventor; all of whom are signing this request

| | |
|-----------|-----------------|
| Signature | /Peter P. Tong/ |
| Name | Peter P. Tong |

*Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner).
 Form PTO/SB/96 may be used for making this certification. See MPEP § 324.

Electronic Patent Application Fee Transmittal

| | | | | |
|--|---|-----------------|---------------|-----------------------------|
| Application Number: | 14922344 | | | |
| Filing Date: | 26-Oct-2015 | | | |
| Title of Invention: | SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION | | | |
| First Named Inventor/Applicant Name: | Kwok Wai Cheung | | | |
| Filer: | Peter P. Tong | | | |
| Attorney Docket Number: | IPVMCP02C3 | | | |
| Filed as Small Entity | | | | |
| Filing Fees for Utility under 35 USC 111(a) | | | | |
| Description | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
| Basic Filing: | | | | |
| STATUTORY OR TERMINAL DISCLAIMER | 2814 | 1 | 160 | 160 |
| Pages: | | | | |
| Claims: | | | | |
| Miscellaneous-Filing: | | | | |
| Petition: | | | | |
| Patent-Appeals-and-Interference: | | | | |
| Post-Allowance-and-Post-Issuance: | | | | |

| Description | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
|--------------------|----------|----------|--------------------------|----------------------|
| Extension-of-Time: | | | | |
| Miscellaneous: | | | | |
| | | | Total in USD (\$) | 160 |

Doc Code: DISQ.E.FILE
Document Description: Electronic Terminal Disclaimer – Approved

Application No.: 14922344

Filing Date: 26-Oct-2015

Applicant/Patent under Reexamination: Cheung

Electronic Terminal Disclaimer filed on January 9, 2017

APPROVED

This patent is subject to a terminal disclaimer

DISAPPROVED

Approved/Disapproved by: Electronic Terminal Disclaimer automatically approved by EFS-Web

U.S. Patent and Trademark Office

Electronic Acknowledgement Receipt

| | |
|---|---|
| EFS ID: | 28015643 |
| Application Number: | 14922344 |
| International Application Number: | |
| Confirmation Number: | 9763 |
| Title of Invention: | SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION |
| First Named Inventor/Applicant Name: | Kwok Wal Cheung |
| Customer Number: | 34071 |
| Filer: | Peter P. Tong |
| Filer Authorized By: | |
| Attorney Docket Number: | IPVMCP02C3 |
| Receipt Date: | 09-JAN-2017 |
| Filing Date: | 26-OCT-2015 |
| Time Stamp: | 20:50:25 |
| Application Type: | Utility under 35 USC 111(a) |

Payment information:

| | |
|--|-----------------------|
| Submitted with Payment | yes |
| Payment Type | CARD |
| Payment was successfully received in RAM | \$160 |
| RAM confirmation Number | 011017INTEFSW20502300 |
| Deposit Account | 503874 |
| Authorized User | Angela Nijim |

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

37 CFR 1.21 (Miscellaneous fees and charges)

| |
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| |
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File Listing:

| Document Number | Document Description | File Name | File Size(Bytes)/ Message Digest | Multi Part /.zip | Pages (if appl.) |
|-----------------|--------------------------------------|--------------------------|--|------------------|------------------|
| 1 | Electronic Terminal Disclaimer-Filed | eTerminal-Disclaimer.pdf | 33877 41b222a1655c96001580c3562092870c1c1170011 | no | 2 |

Warnings:

Information:

| | | | | | |
|---|----------------------|--------------|--|----|---|
| 2 | Fee Worksheet (SB06) | fee-info.pdf | 30674 42c90000a543920f6129121154c121161f463a7 | no | 2 |
|---|----------------------|--------------|--|----|---|

Warnings:

Information:

| | |
|-------------------------------------|-------|
| Total Files Size (in bytes): | 64551 |
|-------------------------------------|-------|

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.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| | | | |
|---|---|----------------------------------|---------------------------------------|
| PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875 | Application or Docket Number 14/922,344 | Filing Date 10/26/2015 | <input type="checkbox"/> To be Mailed |
|---|---|----------------------------------|---------------------------------------|

ENTITY: LARGE SMALL MICRO

APPLICATION AS FILED – PART I

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

APPLICATION AS AMENDED – PART II

| | (Column 1) | (Column 2) | (Column 3) | PRESENT EXTRA | RATE (\$) | ADDITIONAL FEE (\$) |
|--|--|------------|------------------------------------|---------------|-----------------|---------------------|
| AMENDMENT | CLAIMS REMAINING AFTER AMENDMENT | | HIGHEST NUMBER PREVIOUSLY PAID FOR | | | |
| | Total (37 CFR 1.16(i)) | - | Minus | ** | = | X \$ = |
| | Independent (37 CFR 1.16(h)) | - | Minus | *** | = | X \$ = |
| | <input type="checkbox"/> Application Size Fee (37 CFR 1.16(s)) | | | | | |
| <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) | | | | | | |
| | | | | | TOTAL ADD'L FEE | |

| | (Column 1) | (Column 2) | (Column 3) | PRESENT EXTRA | RATE (\$) | ADDITIONAL FEE (\$) |
|--|--|------------|------------------------------------|---------------|-----------------|---------------------|
| AMENDMENT | CLAIMS REMAINING AFTER AMENDMENT | | HIGHEST NUMBER PREVIOUSLY PAID FOR | | | |
| | 01/09/2017 Total (37 CFR 1.16(i)) | - 11 | Minus | ** 20 | = 0 | X \$40 = 0 |
| | Independent (37 CFR 1.16(h)) | - 2 | Minus | *** 3 | = 0 | X \$210 = 0 |
| | <input type="checkbox"/> Application Size Fee (37 CFR 1.16(s)) | | | | | |
| <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) | | | | | | |
| | | | | | TOTAL ADD'L FEE | 0 |

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

LIE
THERESA LINDSAY

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

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



UNITED STATES PATENT AND TRADEMARK OFFICE

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

NOTICE OF ALLOWANCE AND FEE(S) DUE

34071 7590 02/14/2017
IPVENTURE, INC.
5150 EL CAMINO REAL
SUITE A-22
LOS ALTOS, CA 94022

EXAMINER
DOAN, KIET M

ART UNIT PAPER NUMBER
2641

DATE MAILED: 02/14/2017

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

14/922.344 10/26/2015 Kwok Wai Cheung IPVMCP02C3 9763
TITLE OF INVENTION: SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION

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 SMALL 5480 50 50 5480 05/15/2017

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.

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

34071 7590 02/14/2017
IPVENTURE, INC.
5150 EL CAMINO REAL
SUITE A-22
LOS ALTOS, CA 94022

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

Certificate of Mailing or Transmission

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

| |
|-----------------------------|
| _____ (Depositor's name) |
| _____ (Signature) |
| _____ (Date) |

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 14/922,344 | 10/26/2015 | Kwok Wai Cheung | IPVMC/P02C3 | 9763 |

TITLE OF INVENTION: SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION

| APPLN. TYPE | ENTITY STATUS | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|---------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | SMALL | \$480 | \$0 | \$0 | \$480 | 05/15/2017 |

| EXAMINER | ART UNIT | CLASS-SUBCLASS |
|--------------|----------|----------------|
| DOAN, KIET M | 2641 | 455-414100 |

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

- Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

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

- Issue Fee
- Publication Fee (No small entity discount permitted)
- Advance Order - # of Copies _____

4b. Payment of Fees(s): (Please first reapply any previously paid issue fee shown above)

- A check is enclosed.
- Payment by credit card. Form PTO-2038 is attached.
- The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

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

- Applicant certifying micro entity status. See 37 CFR 1.29
- 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. _____



UNITED STATES PATENT AND TRADEMARK OFFICE

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

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
14/922,344 10/26/2015 Kwok Wai Cheung IPVMCP02C3 9763

34071 7590 02/14/2017
IPVENTURE, INC.
5150 EL CAMINO REAL
SUITE A-22
LOS ALTOS, CA 94022

EXAMINER

DOAN, KIET M

ART UNIT PAPER NUMBER

2641

DATE MAILED: 02/14/2017

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. 14/922,344 | Applicant(s) CHEUNG ET AL. | |
| | Examiner KIET DOAN | Art Unit 2641 | 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 01/09/2017.
 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 1,2 and 4-11. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

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

* Certified copies not received: _____.

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

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

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Examiner's Amendment/Comment |
| 2. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____ | 6. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| 3. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 7. <input type="checkbox"/> Other _____ |
| 4. <input type="checkbox"/> Interview Summary (PTO-413), Paper No./Mail Date _____ | |

/KIET DOAN/
Primary Examiner, Art Unit 2641

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

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 01/09/2017 has been entered.

Information Disclosure Statement

The information disclosure statement (IDS) submitted on 08/08/2016. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Allowable Subject Matter

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

Claims 1-2 and 4-11 are allowance according to Applicant Remarks filed on 08/08/2016 and Terminal Disclaimer filed on 01/09/2017.

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

Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to KIET DOAN whose telephone number is (571)272-7863. The examiner can normally be reached on 9-5.

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

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Appiah can be reached on 571-272-7904. 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.


/KIET DOAN/
Primary Examiner, Art Unit 2641

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| Issue Classification  | Application/Control No. 14922344 | Applicant(s)/Patent Under Reexamination CHEUNG ET AL. | |
| | Examiner KIET DOAN | Art Unit 2641 | |

| CPC | | | | | | |
|--------|------|--|------|--|------|------------|
| Symbol | | | | | Type | Version |
| H04W | 4 | | 14 | | F | 2013-01-01 |
| G06Q | 10 | | 10 | | I | 2013-01-01 |
| H04M | 3 | | 436 | | I | 2013-01-01 |
| H04M | 2201 | | 60 | | A | 2013-01-01 |
| H04M | 2203 | | 2011 | | A | 2013-01-01 |
| H04M | 2203 | | 651 | | A | 2013-01-01 |
| H04M | 2207 | | 18 | | A | 2013-01-01 |
| H04W | 4 | | 16 | | I | 2013-01-01 |
| H04W | 4 | | 12 | | I | 2013-01-01 |
| H04M | 3 | | 4365 | | I | 2013-01-01 |
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| CPC Combination Sets | | | | | | |
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| NONE | | Total Claims Allowed: | |
| (Assistant Examiner) | (Date) | 10 | |
| /KIET DOAN/ Primary Examiner Art Unit 2641 | 02/13/2017 | O.G. Print Claim(s) | O.G. Print Figure |
| (Primary Examiner) | (Date) | 1 | 2 |

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| Issue Classification  | Application/Control No. 14922344 | Applicant(s)/Patent Under Reexamination CHEUNG ET AL. |
| | Examiner KIET DOAN | Art Unit 2641 |

| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant | | | | | | | | | | | | | | | | <input type="checkbox"/> CPA | | <input checked="" 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 | | | | | | |
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| NONE | | Total Claims Allowed: | |
| | | 10 | |
| (Assistant Examiner) | (Date) | | |
| /KIET DOAN/ Primary Examiner, Art Unit 2641 | 02/13/2017 | O.G. Print Claim(s) | O.G. Print Figure |
| (Primary Examiner) | (Date) | 1 | 2 |

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|--|------------------|------------------|
| Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary) | Atty. Docket No. | IPVMCP02C3 |
| | Application No.: | 14/922.344 |
| | Applicant | Cheung et al. |
| | Filing Date | October 26, 2015 |
| | Group | 2641 |
| | | Page 1 of 1 |

U.S. Patent Documents

| Examiner Initial | No. | Patent No. | Date | Patentee | Class | Sub-class | Filing Date |
|------------------|-----|-----------------|--------|---------------|-------|-----------|-------------|
| | 1. | 2001/0014611 A1 | Aug-01 | Dufort | | | |
| | 2. | 2003/0065779 A1 | Apr-03 | Malik | | | |
| | 3. | 9,204,268 B2 | Dec-15 | Cheung et al. | | | |
| | 4. | | | | | | |
| | 5. | | | | | | |
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Foreign Documents

| Init. | Document No. | Date | Country | Class | Subclass | Translation | |
|-------|--------------|------|---------|-------|----------|-------------|----|
| | | | | | | Yes | No |
| | | | | | | | |
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Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)

| | |
|---|--|
| A | |
| B | |
| C | |
| D | |
| E | |
| F | |
| G | |
| H | |
| I | |

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|----------|---------------|-----------------|------------|
| Examiner | /KIET M DOAN/ | Date Considered | 02/11/2017 |
|----------|---------------|-----------------|------------|

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.M.D/

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--|------------------|---------|---------------------|
| L1 | 13 | "9204268".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2017/02/11 20:57 |
| L2 | 78 | "20010011014" "20010028709" "20010031633" "20020067806" "20020073207" "20020094067" "20020142756" "20030039339" "20030041048" "20030103600" "20030105854" "20030112948" "20030129968" "20030191676" "20030191814" "20030232629" "20040024882" "20040072585" "20040122979" "20040203919" "20050027385" "20050037785" "20050071253" "20050107130" "20050136955" "20050191994" "20050192061" "20050273327" "20060003803" "20060239419" "20060259565" "20060276210" "20060288099" "20070047522" "20070236474" "20080261636" "20100205272" "20110151852" "20140256293" "5425516" "5548636" "5758079" "5828731" "5930700" "5970388" "6119022" "6327628" "6359892" "6463462" "6577859" "6636888" "6665534" "6788766" "6801793" "6816578" "6819757" "6819945" "6978136" "7010288" "7010332" "7027842" "7043261" "7072452" "7085253" "7107010" "7110963" "7111044" "7116976" "7188073" "7224775" "7376434" "7403972" "7729688" "7792552" "7890128" "8112104" "8280419" "8737978").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2017/02/11 20:57 |
| L7 | 35 | (identif\$3 id) near6 caller and convey with message\$1 and caller with priority | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2017/02/11 22:44 |
| L8 | 1 | (identif\$3 id) near6 caller and convey with message\$1 and caller with priority and hidden with (id identif\$3 user caller) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; | OR | OFF | 2017/02/11 22:46 |

EAST Search History

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|-----|-----|--|--|----|-----|---------------------|
| | | | DERWENT; IBM_TDB | | | |
| L9 | 1 | (identif\$3 id) near6 caller and convey with message\$1 and caller with priority and hidden | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2017/02/11 22:48 |
| L10 | 19 | (identif\$3 id) near6 caller and caller with priority and hidden with message\$1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2017/02/11 22:50 |
| L11 | 1 | (identif\$3 id) near6 caller and caller with priority and hidden with message\$1.clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2017/02/11 22:50 |
| L12 | 19 | (identif\$3 id) with caller and caller with priority and hidden with message\$1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2017/02/11 22:55 |
| L13 | 19 | (identif\$3 id verif\$3 detect\$3) with caller and caller with priority and hidden with message\$1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2017/02/11 22:56 |
| L14 | 165 | (identif\$3 id verif\$3 detect\$3) with caller and caller and priority and hidden with message\$1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2017/02/11 22:57 |
| L15 | 3 | (identif\$3 id verif\$3 detect\$3) with caller and caller and priority and hidden with message\$1.clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2017/02/11 22:58 |
| S1 | 3 | "20150163056" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2017/02/11 15:11 |


EAST Search History (Interference)

EAST Search History

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2/11/2017 10:58:56 PM


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| | | |
|---|--|---|
| Index of Claims  | Application/Control No. 14922344 | Applicant(s)/Patent Under Reexamination CHEUNG ET AL. |
| | Examiner KIET DOAN | Art Unit 2641 |

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|---|-----------------|---|-------------------|---|---------------------|---|-----------------|
| ✓ | Rejected | - | Cancelled | N | Non-Elected | A | Appeal |
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Claims renumbered in the same order as presented by applicant
 CPA
 T.D.
 R.1.47

| CLAIM | | DATE | | | | | | | |
|-------|----------|------------|------------|------------|--|--|--|--|--|
| Final | Original | 04/23/2016 | 09/30/2016 | 02/12/2017 | | | | | |
| 1 | 1 | ✓ | ✓ | = | | | | | |
| 2 | 2 | ✓ | ✓ | = | | | | | |
| | 3 | ✓ | ✓ | - | | | | | |
| 3 | 4 | ✓ | ✓ | = | | | | | |
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| Search Notes  | Application/Control No. 14922344 | Applicant(s)/Patent Under Reexamination CHEUNG ET AL. |
| | Examiner KIET DOAN | Art Unit 2641 |

| CPC- SEARCHED | | |
|---------------|-----------|----------|
| Symbol | Date | Examiner |
| | 4/25/2016 | |
| H04M1/64 | | KD |
| G06Q10/109 | | KD |

| CPC COMBINATION SETS - SEARCHED | | |
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| US CLASSIFICATION SEARCHED | | | |
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| Class | Subclass | Date | Examiner |
| | | 4/25/2016 | |
| 455 | 445 | | KD |
| | 463 | | KD |
| | 411 | | KD |
| | 412.1 | | KD |
| | 412.2 | | KD |
| | 466 | | KD |
| 370 | 495 | | KD |
| | 276 | | KD |
| | 286 | | KD |
| | 259 | | KD |
| | 468 | | KD |
| | 426 | | KD |
| 455 | 414 | | KD |
| | | 9/30/2016 | |
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| 709 | 224 | | KD |
| | update search | | |

| SEARCH NOTES |
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| Search Notes | Date | Examiner |
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| | 4/25/2016 | |
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| Eats search | | KD |
| (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and text\$3 near2 voice\$1 and @ad<"20031010" | | KD |
| (server (base near station)) with (send\$3 transmit\$3) with (info information message\$1 text) with (wife (girl near friend\$1) love\$2 boss (boy adj friend\$1) friend\$1 spouse) and text near1 voice | | KD |
| (H04N21/458 OR G06Q10/109 OR G06Q10/1093 OR G06Q50/01 OR H04L2012/6481 OR H04L12/581 OR H04M1/663 OR H04M7/0033 OR H04M2203/2072 OR H04M1/64 OR H04M1/72513 OR H04M1/72566 OR H04M3/432 OR H04M3/565).CPC. | | KD |
| (server (base near station) computer) with (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and text near1 voice | | KD |
| (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and priority and schedul\$3 and (id identif\$3) with call\$3 and (id identif\$3) with (message\$1 text) | | KD |
| | 9/30/2016 | |
| TD rejection | | KD |
| | 2/11/2017 | |
| (identif\$3 id) with caller and caller with priority and hidden with message\$1 | | KD |
| (identif\$3 id verif\$3 detect\$3) with caller and caller and priority and hidden with message\$1 | | |
| update search | | |

INTERFERENCE SEARCH

| US Class/ CPC Symbol | US Subclass / CPC Group | Date | Examiner |
|-------------------------|-------------------------|-----------|----------|
| | | 4/25/2016 | |
| 709 | 228 | | KD |

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

| | | | | | | | |
|----------------------|-----------------|-------------|------------|-------------------------------|---------------|----------|------|
| Application Number | 14922344 | Filing Date | 2015-10-26 | Docket Number (if applicable) | IPVMCP02C3 | Art Unit | 2641 |
| First Named Inventor | KWOK WAI CHEUNG | | | Examiner Name | DOAN, KIET M. | | |

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

SUBMISSION REQUIRED UNDER 37 CFR 1.114

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

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

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

Other _____

Enclosed

Amendment/Reply

Information Disclosure Statement (IDS)

Affidavit(s)/ Declaration(s)

Other _____

MISCELLANEOUS

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

Other _____

FEES

The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.

The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No 503874

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

| |
|---|
| <input checked="" type="checkbox"/> Patent Practitioner Signature |
| <input type="checkbox"/> Applicant Signature |

Doc code: RCEX

Doc description: Request for Continued Examination (RCE)

PTO/SB/30EFS (07-09)

Approved for use through 07/31/2012. OMB 0651-0031

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

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| Signature of Registered U.S. Patent Practitioner | | | |
|--|----------------|---------------------|------------|
| Signature | Peter P. Tong/ | Date (YYYY-MM-DD) | 2017-02-22 |
| Name | Peter P. Tong | Registration Number | 35757 |

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

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

Privacy Act Statement

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

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

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

Electronic Patent Application Fee Transmittal

| | | | | |
|--|---|-----------------|---------------|-----------------------------|
| Application Number: | 14922344 | | | |
| Filing Date: | 26-Oct-2015 | | | |
| Title of Invention: | SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION | | | |
| First Named Inventor/Applicant Name: | Kwok Wai Cheung | | | |
| Filer: | Peter P. Tong | | | |
| Attorney Docket Number: | IPVMCP02C3 | | | |
| Filed as Small Entity | | | | |
| Filing Fees for Utility under 35 USC 111(a) | | | | |
| Description | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
| Basic Filing: | | | | |
| Pages: | | | | |
| Claims: | | | | |
| CLAIMS IN EXCESS OF 20 | 2202 | 1 | 40 | 40 |
| Miscellaneous-Filing: | | | | |
| Petition: | | | | |
| Patent-Appeals-and-Interference: | | | | |
| Post-Allowance-and-Post-Issuance: | | | | |

| Description | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
|---------------------------------|----------|----------|--------|----------------------|
| Extension-of-Time: | | | | |
| Miscellaneous: | | | | |
| RCE- 2ND AND SUBSEQUENT REQUEST | 2820 | 1 | 850 | 850 |
| Total in USD (\$) | | | | 890 |

Electronic Acknowledgement Receipt

| | |
|---|---|
| EFS ID: | 28412045 |
| Application Number: | 14922344 |
| International Application Number: | |
| Confirmation Number: | 9763 |
| Title of Invention: | SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION |
| First Named Inventor/Applicant Name: | Kwok Wal Cheung |
| Customer Number: | 34071 |
| Filer: | Peter P. Tong |
| Filer Authorized By: | |
| Attorney Docket Number: | IPVMCP02C3 |
| Receipt Date: | 22-FEB-2017 |
| Filing Date: | 26-OCT-2015 |
| Time Stamp: | 13:08:38 |
| Application Type: | Utility under 35 USC 111(a) |

Payment information:

| | |
|--|-----------------------|
| Submitted with Payment | yes |
| Payment Type | CARD |
| Payment was successfully received in RAM | \$890 |
| RAM confirmation Number | 022217INTEFSW13103800 |
| Deposit Account | 503874 |
| Authorized User | Angela Nijim |
| The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.17 (Patent application and reexamination processing fees) 37 CFR 1.21 (Miscellaneous fees and charges) | |

| File Listing: | | | | | |
|-------------------------------------|--|-------------------------------------|--|-------------------------|-------------------------|
| Document Number | Document Description | File Name | File Size(Bytes)/ Message Digest | Multi Part /.zip | Pages (if appl.) |
| 1 | Miscellaneous Incoming Letter | IPCMCP02C3_AmdCTrans_2-22-17.pdf | 18580 07f1d55c4e166944dc16d131510d698958771679f | no | 1 |
| Warnings: | | | | | |
| Information: | | | | | |
| 2 | Amendment Submitted/Entered with Filing of CPA/RCE | IPVMCP02C3_AmdC_AsFiled_2-22-17.pdf | 44289 2ac503117c1a2188f694e07904f8159f344d4e8d0 | no | 9 |
| Warnings: | | | | | |
| Information: | | | | | |
| 3 | Request for Continued Examination (RCE) | IPVMCP02C3_RCE_2-22-17.pdf | 697612 2172aed9ac2264e4d51281509d681849cc455aa | no | 3 |
| Warnings: | | | | | |
| Information: | | | | | |
| 4 | Fee Worksheet (SB06) | fee-info.pdf | 32718 851d1f032eeed0435e258df129e2a7c7aee70919 | no | 2 |
| Warnings: | | | | | |
| Information: | | | | | |
| Total Files Size (in bytes): | | | 793199 | | |

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New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Cheung et al.

Attorney Docket No.: IPVMCP02C3

Application No.: 14/922,344

Examiner: DOAN, KIET M.

Filed: October 26, 2015

Group: 2641

Title: SYSTEMS AND PROCESSES TO
MANAGE MULTIPLE MODES OF
COMMUNICATION

AMENDMENT C TRANSMITTAL

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

Sir:

Transmitted herewith is an Amendment in the above-identified application.

The fee has been calculated as shown below.

| | Claims After Amendment | | Highest Previously Paid For | Present Extra | Small Entity Rate Fee | Large Entity Rate Fee |
|--|------------------------------|-------|-----------------------------------|------------------|--------------------------|--------------------------|
| Total Claims | 21 | MINUS | 20 | 01 | x 40 = 40 | x 80 = |
| Independent Claims | 3 | MINUS | 3 | 00 | x 210 = | x 420 = |
| Multiple Dependent Claim Present and Fee Not Previously Paid | | | | | \$ | \$ |
| Total | | | | | \$40.00 | \$ |

- Applicant(s) hereby petition for a ____ - month extension(s) of time to respond to the aforementioned Office Action.
- Applicant(s) believe that no (additional) Extension of Time is required; however, if it is determined that such an extension is required, Applicant(s) hereby petition that such an extension be granted and authorize the Commissioner to charge the required fees for an Extension of Time under 37 CFR 1.136 to Deposit Account No. 50-3874 (Order No. IPVMCP02C3).
- Any fees due are being paid electronically herewith.
- Please charge any additional fees required to facilitate filing the enclosed response, to Deposit Account No. 50-3874 (Order No. IPVMCP02C3).

Respectfully submitted,

/Peter P. Tong/

Peter P. Tong
Reg. No. 35,757

Appln. No. 14/922,344

Atty. Docket No. IPVMCP02C3

Amendments to the Specification

Please change the title of the Application from

"SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF
COMMUNICATION"

to

-- SYSTEMS AND PROCESSES TO MANAGE PRIVATE MESSAGES --

Amendments to the Claims:

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

Listing of Claims:

1. (Previously presented) An article for managing communication of a user, in view of a person trying to electronically convey a message to a device of the user without the need to know contact information of the device of the user, the article comprising:

a non-transitory computer readable storage medium comprising a plurality of instructions, when executed by a server, result in the server:

receiving the message from a device of the person;

identifying an identity of the person trying to electronically convey the message;

determining whether the user is available to receive the message;

sending information to the device of the person as to the availability of the user to receive the message; and

setting a process to electronically convey the message from the device of the person to the device of the user through the contact information of the device of the user, using one or more rules, based on at least a current status associated with the user, a preference of the user, and an access priority associated with the person,

wherein even when the process involves transmitting the message to the device of the user through the contact information of the device of the user, the contact information of the device of the user is not provided to the device of the person to prevent the person from contacting the device of the user through the contact information, without via the server.

2. (Previously presented) An article as recited in claim 1,

wherein the message is conveyed from the device of the person based on Internet protocol,

wherein the process allows the user to receive the message via an access identifier of the user,

wherein the process allows the message to be conveyed from the device of the person via a set of modes of communication,

wherein the set of modes of communication includes at least instant message and voice call, and

wherein the user has different access identifiers for at least two of the modes in the set of modes.

3. (Cancelled)

4. (Previously presented) An article as recited in claim 1, wherein the process includes presenting at the device of the user, the identity of the person.

5. (Original) An article as recited in claim 1 wherein the process includes determining a reply to the message in view of the current status of the user.

6. (Previously presented) An article for managing communication of a user, in view of a person trying to electronically deliver and present a message to a device of the user, the article comprising:

a non-transitory computer readable storage medium comprising a plurality of instructions, when executed by a server, result in the server:

receiving the message from a device of the person;

identifying an identity of the person trying to electronically deliver and present the message;

determining information regarding the availability of the user to receive the message;

sending to the device of the person, the information regarding the availability of the user to receive the message; and

setting a process to electronically deliver and present the message from the device of the person to the device of the user through contact

information of the device of the user, using one or more rules, based on at least an access priority associated with the person,

wherein even when the process involves delivering and presenting the message to the device of the user through the contact information of the device of the user, the contact information of the device of the user is not provided to the device of the person, and the message is delivered from the device of the person at least based on Internet protocol,

wherein the process allows the message to be delivered from the device of the person via a selected mode of communication from a plurality of different modes of communication, and

wherein the plurality of different modes of communication include at least text message and voice call.

7. (Previously presented) An article as recited in claim 6, wherein the message from the device of the person is a text message.

8. (Previously presented) An article as recited in claim 6, wherein the contact information of the device of the user is a phone number of the user.

9. (Previously presented) An article as recited in claim 6, wherein the process to electronically deliver and present the message from the device of the person to the device of the user is also based on a previously-established communication preference.

10. (Previously presented) An article as recited in claim 6, wherein the process to electronically deliver and present the message from the device of the person to the device of the user is also based on an activity of the user.

11. (Currently amended) An article as recited in claim 6,
wherein ~~the process to electronically deliver and present the message is~~ received from the device of the person ~~to the device of the user also depends on~~ via a contact information of the device of the person, and

wherein even when the process involves delivering and presenting the message to the device of the user, the contact information of the device of the person is not provided to the device of the user.

12. (New) An article as recited in claim 6, wherein the device of the person is configured to operate at least as a mobile phone.

13. (New) An article as recited in claim 6, wherein the process is also based on an activity of the user and a time.

14. (New) An article as recited in claim 6, wherein the process is also based on an activity of the user and a period of time.

15. (New) An article as recited in claim 14, wherein the process includes not presenting the message based on the period of time.

16. (New) An article as recited in claim 6,
wherein the message is received from the device of the person via a contact information of the device of the person,

wherein even when the process involves delivering and presenting the received message to the device of the user, the contact information of the device of the person is not provided to the device of the user,

wherein the device of the person is configured to operate at least as a mobile phone, and

wherein the process is also based on a period of time.

17. (New) An article as recited in claim 16, wherein the process includes not presenting the message based on the period of time.

18. (New) A server for managing communication of a user, in view of a person trying to electronically deliver and present a message to a device of the user, the server comprising:

at least one computing device; and

at least one storage device storing instructions that, when executed by the at least one computing device, cause the at least one computing device to:

- receive the message from a device of the person;
- identify the person;
- determine availability of the user to receive the message;
- send to the device of the person, information regarding the availability of the user to receive the message; and
- set a process to electronically deliver and present the received message to the device of the user through contact information of the device of the user, using one or more rules, based on at least whether the person is blocked from accessing the user as predetermined by the user,

wherein even when the process involves delivering and presenting the message to the device of the user through the contact information of the device of the user, the contact information of the device of the user is not provided to the device of the person, and the message is delivered from the device of the person at least based on Internet protocol,

wherein the process allows the message to be delivered to the device of the user via a selected mode of communication from a plurality of different modes of communication, and

wherein the plurality of different modes of communication include at least text message and voice call.

19. (New) A server as recited in claim 18,

wherein the message is received from the device of the person via a contact information of the device of the person,

wherein even when the process involves delivering and presenting the received message to the device of the user, the contact information of the device of the person is not provided to the device of the user, and

wherein the device of the person is configured to operate at least as a mobile phone.

20. (New) A server as recited in claim 19, wherein the process is also based on an activity of the user and a time.

21. (New) A server as recited in claim 19, wherein the process is also based on a period of time.

22. (New) An article as recited in claim 21, wherein the process includes not presenting the message based on the period of time.

REMARKS

Applicants sincerely appreciate the allowing of the above-identified application. By this amendment, Applicants have amended the title, amended claim 11 to further clarify the subject matter regarded as the invention, and have added claims 12-22. Accordingly, claims 1, 2, and 4-22 are pending. Reconsideration of the application and an early Notice of Allowance is earnestly solicited.

If there are any issues remaining which the Examiner believes could be resolved through either a Supplemental Response or an Examiner's Amendment, the Examiner is respectfully requested to contact the undersigned representative at the telephone number listed below.

Respectfully submitted,

5150 El Camino Real
Building A, Suite 22
Los Altos, CA 94022
(650) 903-9200 ext 102

By: /Peter P. Tong/
Peter P. Tong
Registration No.: 35,757

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| | | | | |
|---|---|---|----------------------------------|---------------------------------------|
| PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875 | | Application or Docket Number 14/922,344 | Filing Date 10/26/2015 | <input type="checkbox"/> To be Mailed |
| ENTITY: <input type="checkbox"/> LARGE <input checked="" type="checkbox"/> SMALL <input type="checkbox"/> MICRO | | | | |
| APPLICATION AS FILED – PART I | | | | |
| (Column 1) | | (Column 2) | | |
| FOR | NUMBER FILED | NUMBER EXTRA | RATE (\$) | FEE (\$) |
| <input type="checkbox"/> BASIC FEE <small>(37 CFR 1.16(a), (b), or (c))</small> | N/A | N/A | N/A | |
| <input type="checkbox"/> SEARCH FEE <small>(37 CFR 1.16(k), (l), or (m))</small> | N/A | N/A | N/A | |
| <input type="checkbox"/> EXAMINATION FEE <small>(37 CFR 1.16(o), (p), or (q))</small> | N/A | N/A | N/A | |
| TOTAL CLAIMS <small>(37 CFR 1.16(j))</small> | minus 20 = | * | X \$ = | |
| INDEPENDENT CLAIMS <small>(37 CFR 1.16(h))</small> | minus 3 = | * | X \$ = | |
| <input type="checkbox"/> APPLICATION SIZE FEE <small>(37 CFR 1.16(s))</small> | If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). | | | |
| <input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT <small>(37 CFR 1.16(j))</small> | | | | |
| * If the difference in column 1 is less than zero, enter "0" in column 2. | | | TOTAL | |

| | | | | | | |
|---|---|----------------------------------|------------------------------------|---------------|-----------------|---------------------|
| APPLICATION AS AMENDED – PART II | | | | | | |
| (Column 1) | | (Column 2) | | (Column 3) | | |
| AMENDMENT | 02/22/2017 | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE (\$) | ADDITIONAL FEE (\$) |
| | Total <small>(37 CFR 1.16(i))</small> | • 21 | Minus ** 20 | = 1 | X \$40 = | 40 |
| | Independent <small>(37 CFR 1.16(h))</small> | • 3 | Minus *** 3 | = 0 | X \$210 = | 0 |
| | <input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small> | | | | | |
| | <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small> | | | | | |
| | | | | | TOTAL ADD'L FEE | 40 |

| | | | | | | |
|--|---|----------------------------------|------------------------------------|---------------|-----------------------|---------------------|
| (Column 1) | | (Column 2) | | (Column 3) | | |
| AMENDMENT | Total <small>(37 CFR 1.16(i))</small> | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE (\$) | ADDITIONAL FEE (\$) |
| | Independent <small>(37 CFR 1.16(h))</small> | • | Minus *** | = | X \$ = | |
| | <input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small> | | | | | |
| | <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small> | | | | | |
| | | | | | | TOTAL ADD'L FEE |
| <p>* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.</p> | | | | | | |
| | | | | | LIE MARQUITA JONES | |

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

34071 7590 03/06/2017
IPVENTURE, INC.
5150 EL CAMINO REAL
SUITE A-22
LOS ALTOS, CA 94022

EXAMINER
DOAN, KIET M

ART UNIT PAPER NUMBER
2641

DATE MAILED: 03/06/2017

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
14/922,344 10/26/2015 Kwok Wai Cheung IPVMCP02C3 9763

TITLE OF INVENTION: SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION

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 SMALL 5480 50 50 5480 06/06/2017

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**
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P.O. Box 1450
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 or Fax **(571)-273-2885**

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

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

34071 7590 03/06/2017
IPVENTURE, INC.
5150 EL CAMINO REAL
SUITE A-22
LOS ALTOS, CA 94022

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

Certificate of Mailing or Transmission

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

| |
|-----------------------------|
| _____ (Depositor's name) |
| _____ (Signature) |
| _____ (Date) |

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 14/922,344 | 10/26/2015 | Kwok Wai Cheung | IPVMC/P02C3 | 9763 |

TITLE OF INVENTION: SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION

| APPLN. TYPE | ENTITY STATUS | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|---------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | SMALL | \$480 | \$0 | \$0 | \$480 | 06/06/2017 |

| EXAMINER | ART UNIT | CLASS-SUBCLASS |
|--------------|----------|----------------|
| DOAN, KIET M | 2641 | 455-414100 |

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

- Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

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

- Issue Fee
- Publication Fee (No small entity discount permitted)
- Advance Order - # of Copies _____

4b. Payment of Fees(s): (Please first reapply any previously paid issue fee shown above)

- A check is enclosed.
- Payment by credit card. Form PTO-2038 is attached.
- The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

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

- Applicant certifying micro entity status. See 37 CFR 1.29
- 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. _____



UNITED STATES PATENT AND TRADEMARK OFFICE

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

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
14/922,344 10/26/2015 Kwok Wai Cheung IPVMCP02C3 9763

34071 7590 03/06/2017
IPVENTURE, INC.
5150 EL CAMINO REAL
SUITE A-22
LOS ALTOS, CA 94022

EXAMINER

DOAN, KIET M

ART UNIT PAPER NUMBER

2641

DATE MAILED: 03/06/2017

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. 14/922,344 | Applicant(s) CHEUNG ET AL. | |
| | Examiner KIET DOAN | Art Unit 2641 | 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 02/22/2017.
 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 1,2 and 4-22. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

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

* Certified copies not received: _____.

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

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

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Examiner's Amendment/Comment |
| 2. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____ | 6. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| 3. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 7. <input type="checkbox"/> Other _____ |
| 4. <input type="checkbox"/> Interview Summary (PTO-413), Paper No./Mail Date _____ | |

/KIET DOAN/
Primary Examiner, Art Unit 2641

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

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 02/22/2017 has been entered.

Allowable Subject Matter

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

Claims 1, 2, 4-22 are allowance according to the same reason was allow on 02/14/2017.

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

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KIET DOAN whose telephone number is (571)272-7863. The examiner can normally be reached on 9-5.

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


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Appiah can be reached on 571-272-7904. 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.

/KIET DOAN/
Primary Examiner, Art Unit 2641

Application/Control Number: 14/922,344
Art Unit: 2641


Page 4

| | | | |
|--|--|---|--|
| Issue Classification  | Application/Control No. 14922344 | Applicant(s)/Patent Under Reexamination CHEUNG ET AL. | |
| | Examiner KIET DOAN | Art Unit 2641 | |

| CPC | | | | | | |
|--------|------|---|------|--|------|------------|
| Symbol | | | | | Type | Version |
| H04W | 4 | 7 | 14 | | F | 2013-01-01 |
| G06Q | 10 | 7 | 10 | | I | 2013-01-01 |
| H04M | 3 | 7 | 436 | | I | 2013-01-01 |
| H04M | 2201 | 7 | 60 | | A | 2013-01-01 |
| H04M | 2203 | 7 | 2011 | | A | 2013-01-01 |
| H04M | 2203 | 7 | 651 | | A | 2013-01-01 |
| H04M | 2207 | 7 | 18 | | A | 2013-01-01 |
| H04W | 4 | 7 | 16 | | I | 2013-01-01 |
| H04W | 4 | 7 | 12 | | I | 2013-01-01 |
| H04M | 3 | 7 | 4365 | | I | 2013-01-01 |
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| CPC Combination Sets | | | | |
|----------------------|------|-----|---------|---------|
| Symbol | Type | Set | Ranking | Version |
| | | | | |
| | | | | |

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|--|------------|------------------------------|-------------------|
| NONE | | Total Claims Allowed: | |
| (Assistant Examiner) | (Date) | 21 | |
| /KIET DOAN/ Primary Examiner, Art Unit 2641 | 03/01/2017 | O.G. Print Claim(s) | O.G. Print Figure |
| (Primary Examiner) | (Date) | 1 | 2 |

| | | |
|--|--|---|
| Issue Classification  | Application/Control No. 14922344 | Applicant(s)/Patent Under Reexamination CHEUNG ET AL. |
| | Examiner KIET DOAN | Art Unit 2641 |

| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant | | <input type="checkbox"/> CPA | | <input checked="" 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 |
| 1 | 1 | 16 | 17 | | | | | | | | | | | | |
| 2 | 2 | 17 | 18 | | | | | | | | | | | | |
| | 3 | 18 | 19 | | | | | | | | | | | | |
| 3 | 4 | 19 | 20 | | | | | | | | | | | | |
| 4 | 5 | 20 | 21 | | | | | | | | | | | | |
| 5 | 6 | 21 | 22 | | | | | | | | | | | | |
| 6 | 7 | | | | | | | | | | | | | | |
| 7 | 8 | | | | | | | | | | | | | | |
| 8 | 9 | | | | | | | | | | | | | | |
| 9 | 10 | | | | | | | | | | | | | | |
| 10 | 11 | | | | | | | | | | | | | | |
| 11 | 12 | | | | | | | | | | | | | | |
| 12 | 13 | | | | | | | | | | | | | | |
| 13 | 14 | | | | | | | | | | | | | | |
| 14 | 15 | | | | | | | | | | | | | | |
| 15 | 16 | | | | | | | | | | | | | | |

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|--|------------|------------------------------|-------------------|
| NONE | | Total Claims Allowed: | |
| | | 21 | |
| (Assistant Examiner) | (Date) | | |
| /KIET DOAN/ Primary Examiner, Art Unit 2641 | 03/01/2017 | O.G. Print Claim(s) | O.G. Print Figure |
| (Primary Examiner) | (Date) | 1 | 2 |

| | | |
|--|--|---|
| <i>Index of Claims</i>  | Application/Control No. 14922344 | Applicant(s)/Patent Under Reexamination CHEUNG ET AL. |
| | Examiner KIET DOAN | Art Unit 2641 |

| | |
|---|-----------------|
| ✓ | 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 | 04/23/2016 | 09/30/2016 | 02/12/2017 | 03/01/2017 | | | | | | |
| 1 | 1 | ✓ | ✓ | = | = | | | | | | |
| 2 | 2 | ✓ | ✓ | = | = | | | | | | |
| | 3 | ✓ | ✓ | - | - | | | | | | |
| 3 | 4 | ✓ | ✓ | = | = | | | | | | |
| 4 | 5 | ✓ | ✓ | = | = | | | | | | |
| 5 | 6 | | | = | = | | | | | | |
| 6 | 7 | | | = | = | | | | | | |
| 7 | 8 | | | = | = | | | | | | |
| 8 | 9 | | | = | = | | | | | | |
| 9 | 10 | | | = | = | | | | | | |
| 10 | 11 | | | = | = | | | | | | |
| 11 | 12 | | | | = | | | | | | |
| 12 | 13 | | | | = | | | | | | |
| 13 | 14 | | | | = | | | | | | |
| 14 | 15 | | | | = | | | | | | |
| 15 | 16 | | | | = | | | | | | |
| 16 | 17 | | | | = | | | | | | |
| 17 | 18 | | | | = | | | | | | |
| 18 | 19 | | | | = | | | | | | |
| 19 | 20 | | | | = | | | | | | |
| 20 | 21 | | | | = | | | | | | |
| 21 | 22 | | | | = | | | | | | |

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|--|--|---|
| Search Notes  | Application/Control No. 14922344 | Applicant(s)/Patent Under Reexamination CHEUNG ET AL. |
| | Examiner KIET DOAN | Art Unit 2641 |

| CPC- SEARCHED | | |
|---------------|-----------|----------|
| Symbol | Date | Examiner |
| | 4/25/2016 | |
| H04M1/64 | | KD |
| G06Q10/109 | | KD |

| CPC COMBINATION SETS - SEARCHED | | |
|---------------------------------|------|----------|
| Symbol | Date | Examiner |
| | | |

| US CLASSIFICATION SEARCHED | | | |
|----------------------------|---|-----------|----------|
| Class | Subclass | Date | Examiner |
| | | 4/25/2016 | |
| 455 | 445 | | KD |
| | 463 | | KD |
| | 411 | | KD |
| | 412.1 | | KD |
| | 412.2 | | KD |
| | 466 | | KD |
| 370 | 495 | | KD |
| | 276 | | KD |
| | 286 | | KD |
| | 259 | | KD |
| | 468 | | KD |
| | 426 | | KD |
| 455 | 414 | | KD |
| | | 9/30/2016 | |
| | TD rejection | | KD |
| | | 2/11/2017 | |
| 709 | 224 | | KD |
| | update search | | |
| | | 3/1/2017 | |
| | update search , Applicant file additional claims that recited same limitation | | KD |

| | |
|--|--|
| | |
|--|--|

SEARCH NOTES

| Search Notes | Date | Examiner |
|--|-----------|----------|
| | 4/25/2016 | |
| Inventor search | | KD |
| Eats search | | KD |
| (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and text\$3 near2 voice\$1 and @ad<"20031010" | | KD |
| (server (base near station)) with (send\$3 transmit\$3) with (info information message\$1 text) with (wife (girl near friend\$1) love\$2 boss (boy adj friend\$1) friend\$1 spouse) and text near1 voice | | KD |
| (H04N21/458 OR G06Q10/109 OR G06Q10/1093 OR G06Q50/01 OR H04L2012/6481 OR H04L12/581 OR H04M1/663 OR H04M7/0033 OR H04M2203/2072 OR H04M1/64 OR H04M1/72513 OR H04M1/72566 OR H04M3/432 OR H04M3/565).CPC. | | KD |
| (server (base near station) computer) with (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and text near1 voice | | KD |
| (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and priority and schedul\$3 and (id identif\$3) with call\$3 and (id identif\$3) with (message\$1 text) | | KD |
| | 9/30/2016 | |
| TD rejection | | KD |
| | 2/11/2017 | |
| (identif\$3 id) with caller and caller with priority and hidden with message\$1 (identif\$3 id verif\$3 detect\$3) with caller and caller and priority and hidden with message\$1 | | KD |
| update search | | |
| | 3/1/2017 | |
| update search , Applicant file additional claims that recited same limitation | | KD |

INTERFERENCE SEARCH

| US Class/ CPC Symbol | US Subclass / CPC Group | Date | Examiner |
|-------------------------|-------------------------|-----------|----------|
| | | 4/25/2016 | |
| 709 | 228 | | KD |

| | |
|--|--|
| | |
|--|--|

PART B - FEE(S) TRANSMITTAL

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

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

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

34071 7590 03/06/2017
IPVENTURE, INC.
5150 EL CAMINO REAL
SUITE A-22
LOS ALTOS, CA 94022

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

Certificate of Mailing or Transmission

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

| |
|-----------------------------|
| _____ (Depositor's name) |
| _____ (Signature) |
| _____ (Date) |

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 14/922,344 | 10/26/2015 | Kwok Wai Cheung | IPVMC/P02C3 | 9763 |

TITLE OF INVENTION: SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION

| APPLN. TYPE | ENTITY STATUS | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|---------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | SMALL | \$480 | \$0 | \$0 | \$480 | 06/06/2017 |

| EXAMINER | ART UNIT | CLASS-SUBCLASS |
|--------------|----------|----------------|
| DOAN, KIET M | 2641 | 455-414100 |

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
 Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
 "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
 (1) The names of up to 3 registered patent attorneys or agents OR, alternatively, 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: **IpVenture, Inc.**
 (B) RESIDENCE: (CITY and STATE OR COUNTRY): **Los Altos, CA**

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

4a. The following fee(s) are submitted:
 Issue Fee
 Publication Fee (No small entity discount permitted)
 Advance Order - # of Copies _____

4b. Payment of Fees(s): (Please first reapply any previously paid issue fee shown above)
 A check is enclosed.
 Payment by credit card. ~~Form PTO 2038 is attached.~~ (electronically)
 The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number **503874** (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: /Peter P. Tong/ Date: March 15, 2017
 Typed or printed name: Peter P. Tong Registration No. 35,757

Electronic Patent Application Fee Transmittal

| | | | | |
|--|---|-----------------|---------------|-----------------------------|
| Application Number: | 14922344 | | | |
| Filing Date: | 26-Oct-2015 | | | |
| Title of Invention: | SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION | | | |
| First Named Inventor/Applicant Name: | Kwok Wai Cheung | | | |
| Filer: | Peter P. Tong | | | |
| Attorney Docket Number: | IPVMCP02C3 | | | |
| Filed as Small Entity | | | | |
| Filing Fees for Utility under 35 USC 111(a) | | | | |
| Description | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
| Basic Filing: | | | | |
| Pages: | | | | |
| Claims: | | | | |
| Miscellaneous-Filing: | | | | |
| Petition: | | | | |
| Patent-Appeals-and-Interference: | | | | |
| Post-Allowance-and-Post-Issuance: | | | | |
| UTILITY APPL ISSUE FEE | 2501 | 1 | 480 | 480 |

| Description | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
|---------------------------|----------|----------|--------|----------------------|
| Extension-of-Time: | | | | |
| Miscellaneous: | | | | |
| Total in USD (\$) | | | | 480 |

Electronic Acknowledgement Receipt

| | |
|---|---|
| EFS ID: | 28647181 |
| Application Number: | 14922344 |
| International Application Number: | |
| Confirmation Number: | 9763 |
| Title of Invention: | SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION |
| First Named Inventor/Applicant Name: | Kwok Wal Cheung |
| Customer Number: | 34071 |
| Filer: | Peter P. Tong |
| Filer Authorized By: | |
| Attorney Docket Number: | IPVMCP02C3 |
| Receipt Date: | 16-MAR-2017 |
| Filing Date: | 26-OCT-2015 |
| Time Stamp: | 12:27:07 |
| Application Type: | Utility under 35 USC 111(a) |

Payment information:

| | |
|--|-----------------------|
| Submitted with Payment | yes |
| Payment Type | CARD |
| Payment was successfully received in RAM | \$480 |
| RAM confirmation Number | 031617INTEFSW12283500 |
| Deposit Account | 503874 |
| Authorized User | Angela Nijim |

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

37 CFR 1.21 (Miscellaneous fees and charges)

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File Listing:

| Document Number | Document Description | File Name | File Size(Bytes)/ Message Digest | Multi Part /.zip | Pages (if appl.) |
|-----------------|-----------------------------|--------------------------------|--|------------------|------------------|
| 1 | Issue Fee Payment (PTO-85B) | IPVMCP02C3_IFTrans_3-15-17.pdf | 193480 <small>05690f67c279dbd05608c91e9703efefec930e4</small> | no | 1 |

Warnings:

Information:

| | | | | | |
|---|----------------------|--------------|---|----|---|
| 2 | Fee Worksheet (SB06) | fee-info.pdf | 30758 <small>055f1020542220e7f0e7b0e09e1f6a911f1b170</small> | no | 2 |
|---|----------------------|--------------|---|----|---|

Warnings:

Information:

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|-------------------------------------|--------|
| Total Files Size (in bytes): | 224238 |
|-------------------------------------|--------|

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.

| | | |
|--|------------------|---------------------------------------|
| Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary) | Atty. Docket No. | IPVMCP02C3 |
| | Application No.: | Not Yet Assigned 14922344 - GAU: 2641 |
| | Applicant | CHEUNG et al. |
| | Filing Date | Herewith 10/26/2015 |
| | Group | Not Yet Assigned 14922344 - GAU: 2641 |
| | | Page 2 of 6 |

| | | | | | | |
|-----|--|--------|------------------|--|--|--|
| 28. | 2005/0027385 A1 | Feb-05 | Yuch | | | |
| 29. | 2006/0003803 A1 | Jan-06 | Thomas et al. | | | |
| 30. | 2006/0239419 A1 | Oct-06 | Joseph et al. | | | |
| 31. | 2006/0259565 A1 | Nov-06 | Cheung et al. | | | |
| 32. | 2006/0276210 A1 | Dec-06 | Thomas et al. | | | |
| 33. | 2006/0288099 A1 | Dec-06 | Jefferson et al. | | | |
| 34. | 2007/0047522 A1 | Mar-07 | Jefferson et al. | | | |
| 35. | 2007/0238474 A1 | Oct-07 | Ballas | | | |
| 36. | 2008/0261636 A1 | Oct-08 | Lau et al. | | | |
| 37. | 2010/0205272 A1 | Aug-10 | Cheung et al. | | | |
| 38. | 2011/0151852 A1 | Jun-11 | Olincy et al. | | | |
| 39. | 2014/0242956 A1 | Aug-14 | Cheung et al. | | | |
| 40. | 2014/0256293 A1 | Sep-14 | Thomas et al. | | | |
| 41. | 5,425,516 | Jun-95 | Daines | | | |
| 42. | 5,548,636 | Aug-96 | Bannister et al. | | | |
| 43. | 5,758,079 | May-98 | Ludwig et al. | | | |
| 44. | 5,828,731 | Oct-98 | Szlam et al. | | | |
| 45. | 5,930,700 | Jul-99 | Pepper et al. | | | |
| 46. | 5,970,388 | Oct-99 | Will | | | |
| 47. | 6,119,022 | Sep-00 | Osborn et al. | | | |
| 48. | 6,327,628 B1 | Dec-01 | Anuff et al. | | | |
| 49. | 6,350,882 ^{6,359,892} B1 | Mar-02 | Szlam | | | |
| 50. | 6,463,462 B1 | Oct-02 | Smith et al. | | | |
| 51. | 6,577,859 B1 | Jun-03 | Zahavi et al. | | | |
| 52. | 6,636,888 B1 | Oct-03 | Bookspan et al. | | | |
| 53. | 6,665,534 B1 | Dec-03 | Conklin et al. | | | |
| 54. | 6,788,766 B2 | Sep-04 | Logan | | | |
| 55. | 6,801,793 B1 | Oct-04 | Aarnio et al. | | | |
| 56. | 6,816,578 B1 | Nov-04 | Kredo et al. | | | |

Change(s) applied
to document
/C.L./
5/1/2017

| | | | |
|----------|-------------|-----------------|------------|
| Examiner | /Kiet Doan/ | Date Considered | 04/23/2016 |
|----------|-------------|-----------------|------------|

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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

| | | |
|--|------------------|---------------------------------------|
| Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary) | Atty. Docket No. | IPVMCP02C3 |
| | Application No.: | Not Yet Assigned 14922344 - GAU: 2641 |
| | Applicant | CHEUNG et al. |
| | Filing Date | Herewith 10/26/2015 |
| | Group | Not Yet Assigned 14922344 - GAU: 2641 |
| | | Page 1 of 6 |

U.S. Patent Documents

| Examiner Initial | No. | Patent No. | Date | Patentee | Class | Sub-class | Filing Date |
|----------------------|-----|-----------------|------------------------------------|----------------------------|-------|-----------|-------------|
| | 1. | 2001/0011014 A1 | Aug-01 | Higuchi et al. | | | |
| | 2. | 2001/0028709 A1 | Oct-01 | Makela et al. | | | |
| | 3. | 2001/0031633 A1 | Oct-01 | Tuomela et al. | | | |
| | 4. | 2002/0067806 A1 | Jun-02 | Rodriguez et al. | | | |
| | 5. | 2002/0073207 A1 | Jun-02 | Widger et al. | | | |
| | 6. | 2002/0094067 A1 | Jul 02 | August | | | |
| | 7. | 2002/0142756 A1 | Oct-02 | Rutledge et al. | | | |
| | 8. | 2003/0039339 A1 | Feb-03 | Luehrig et al. | | | |
| | 9. | 2003/0041048 A1 | Feb-03 | Balasuriya | | | |
| | 10. | 2003/0103600 A1 | Jun-03 | Potter | | | |
| | 11. | 2003/0105854 A1 | Jun-03 | Thorsteinsson et al. | | | |
| | 12. | 2003/0112948 A1 | Jun-03 | Brown et al. | | | |
| | 13. | 2003/0129968 A1 | Jul-03 | Earl | | | |
| | 14. | 2003/0191676 A1 | Oct-03 | Templeton | | | |
| | 15. | 2003/0191814 A1 | Oct-03 | Tran | | | |
| | 16. | 2003/0232629 A1 | Dec-03 | Jang et al. | | | |
| | 17. | 2004/0024882 A1 | Feb-04 | Austin et al. | | | |
| | 18. | 2004/0072585 A1 | Apr-04 | Le et al. | | | |
| | 19. | 2004/0122979 A1 | Jun-04 | Kirkland | | | |
| | 20. | 2004/0203919 A1 | Oct-04 | Ross et al. | | | |
| | 21. | 2005/0037785 A1 | Feb-05 | Chen | | | |
| | 22. | 2005/0071253 A1 | Mar-05 | Yang | | | |
| | 23. | 2005/0107130 A1 | May- 18 ²⁰⁰⁵ | Peterson II | | | |
| | 24. | 2005/0136955 A1 | Jun-05 | Mumick et al. | | | |
| | 25. | 2005/0191994 A1 | Sep-05 | May et al. | | | |
| | 26. | 2005/0192061 A1 | Sep-05 | May et al. | | | |
| | 27. | 2005/0273327 A1 | Dec-05 | Krishnan | | | |
| Examiner /Kiet Doan/ | | | | Date Considered 04/23/2016 | | | |

Change(s) applied
to document
/CL/
3/1/2017

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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



UNITED STATES PATENT AND TRADEMARK OFFICE

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

| APPLICATION NUMBER | FILING or 371(c) DATE | GRP ART UNIT | FIL FEE REC'D | ATTY. DOCKET NO | TOT CLAIMS | IND CLAIMS |
|--------------------|-----------------------|--------------|---------------|-----------------|------------|------------|
| 14/922,344 | 10/26/2015 | 2641 | 770 | IPVMCP02C3 | 5 | 1 |

CONFIRMATION NO. 9763
CORRECTED FILING RECEIPT



34071
IPVENTURE, INC.
5150 EL CAMINO REAL
SUITE A-22
LOS ALTOS, CA 94022

Date Mailed: 04/05/2017

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)
Kwok Wai Cheung, Tai Po, HONG KONG;
Peter P. Tong, Mountain View, CA;
C. Douglass Thomas, Saratoga, CA;

Applicant(s)
IpVenture, Inc., Los Altos, CA;

Power of Attorney: The patent practitioners associated with Customer Number 34071

Domestic Priority data as claimed by applicant
This application is a CON of 14/272,632 05/08/2014 PAT 9204268
which is a CON of 12/798,995 04/14/2010 PAT 8744407
which is a CON of 11/452,115 06/12/2006 PAT 7729688
which is a CIP of 11/006,343 12/07/2004 PAT 7116976
which claims benefit of 60/527,565 12/08/2003
and said 11/452,115 06/12/2006
claims benefit of 60/689,686 06/10/2005

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: No

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 11/04/2015

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/922,344**

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

SYSTEMS AND PROCESSES TO MANAGE PRIVATE MESSAGES

Preliminary Class

455

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific

page 2 of 4

countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

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

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

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

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

SelectUSA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop

technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.

Doc code: RCEX

Doc description: Request for Continued Examination (RCE)

PTO/SB/30EFS (07-09)

Approved for use through 07/31/2012. OMB 0651-0031

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

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

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

| | | | | | | | |
|----------------------|-----------------|-------------|------------|-------------------------------|---------------|----------|------|
| Application Number | 14922344 | Filing Date | 2015-10-26 | Docket Number (if applicable) | IPVMCP02C3 | Art Unit | 2641 |
| First Named Inventor | KWOK WAI CHEUNG | | | Examiner Name | DOAN, KIET M. | | |

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

SUBMISSION REQUIRED UNDER 37 CFR 1.114

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

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

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

Other _____

Enclosed

Amendment/Reply

Information Disclosure Statement (IDS)

Affidavit(s)/ Declaration(s)

Other _____

MISCELLANEOUS

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

Other _____

FEES

The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.

The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No 503874

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Patent Practitioner Signature
Applicant Signature

Doc code: RCEX

Doc description: Request for Continued Examination (RCE)

PTO/SB/30EFS (07-09)

Approved for use through 07/31/2012. OMB 0651-0031

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

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| Signature of Registered U.S. Patent Practitioner | | | |
|--|----------------|---------------------|------------|
| Signature | Peter P. Tong/ | Date (YYYY-MM-DD) | 2017-04-05 |
| Name | Peter P. Tong | Registration Number | 35757 |

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

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

Privacy Act Statement

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

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

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: CHEUNG et al.

Attorney Docket No.: IPVMCP02C3

Application No.: 14/922,344

Examiner: DOAN, KIET M.

Filed: October 26, 2015

Group: 2641

Title: SYSTEMS AND PROCESSES TO
MANAGE PRIVATE MESSAGES

**INFORMATION DISCLOSURE STATEMENT
37 CFR §§1.56 AND 1.97(b)**

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

Dear Sir:

The references listed in the attached PTO Form 1449, copies of which are attached, may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is: (i) filed within three (3) months of the filing date of the above-referenced application, (ii) believed to be filed before the mailing date of a first Office Action on the merits, or (iii) believed to be filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under §1.114.

Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 50-3874 (Order No. IPVMCP02C3).

Respectfully submitted,

/Peter P. Tong/

Peter P. Tong
Registration No. 35,757

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Los Altos, CA 94022

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Cheung et al.

Attorney Docket No.: IPVMCP02C3

Application No.: 14/922,344

Examiner: DOAN, KIET M.

Filed: October 26, 2015

Group: 2641

Title: SYSTEMS AND PROCESSES TO
MANAGE PRIVATE MESSAGES

AMENDMENT D TRANSMITTAL

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

Sir:

Transmitted herewith is an Amendment in the above-identified application.

The fee has been calculated as shown below.

| | Claims After Amendment | | Highest Previously Paid For | Present Extra | Small Entity Rate Fee | Large Entity Rate Fee |
|--|------------------------------|-------|-----------------------------------|------------------|--------------------------|--------------------------|
| Total Claims | 21 | MINUS | 21 | 00 | x 40 = | x 80 = |
| Independent Claims | 3 | MINUS | 3 | 00 | x 210 = | x 420 = |
| Multiple Dependent Claim Present and Fee Not Previously Paid | | | | | \$ | \$ |
| Total | | | | | \$0.00 | \$ |

- Applicant(s) hereby petition for a ____- month extension(s) of time to respond to the aforementioned Office Action.
- Applicant(s) believe that no (additional) Extension of Time is required; however, if it is determined that such an extension is required, Applicant(s) hereby petition that such an extension be granted and authorize the Commissioner to charge the required fees for an Extension of Time under 37 CFR 1.136 to Deposit Account No. 50-3874 (Order No. IPVMCP02C3).
- Any fees due are being paid electronically herewith.
- Please charge any additional fees required to facilitate filing the enclosed response, to Deposit Account No. 50-3874 (Order No. IPVMCP02C3).

Respectfully submitted,

/Peter P. Tong/

Peter P. Tong
Reg. No. 35,757

Appln. No. 14/922,344

Atty. Docket No. IPVMCP02C3

| | |
|-----------------------------|--|
| Electronic Petition Request | PETITION TO WITHDRAW AN APPLICATION FROM ISSUE AFTER PAYMENT OF THE ISSUE FEE UNDER 37 CFR 1.313(c) |
| Application Number | 14922344 |
| Filing Date | 26-Oct-2015 |
| First Named Inventor | Kwok Cheung |
| Art Unit | 2641 |
| Examiner Name | KIET DOAN |
| Attorney Docket Number | IPVMCP02C3 |
| Title | SYSTEMS AND PROCESSES TO MANAGE PRIVATE MESSAGES |

An application may be withdrawn from issue for further action upon petition by the applicant. To request that the Office withdraw an application from issue, applicant must file a petition under this section including the fee set forth in § 1.17(h) and a showing of good and sufficient reasons why withdrawal of the application from issue is necessary.

APPLICANT HEREBY PETITIONS TO WITHDRAW THIS APPLICATION FROM ISSUE UNDER 37 CFR 1.313(c).

A grantable petition requires the following items:

- (1) Petition fee; and
- (2) One of the following reasons:
 - (a) Unpatentability of one or more claims, which must be accompanied by an unequivocal statement that one or more claims are unpatentable, an amendment to such claim or claims, and an explanation as to how the amendment causes such claim or claims to be patentable;
 - (b) Consideration of a request for continued examination in compliance with § 1.114 (for a utility or plant application only); or
 - (c) Express abandonment of the application. Such express abandonment may be in favor of a continuing application, but not a CPA under 37 CFR 1.53(d).

Petition Fee

| |
|---|
| <input checked="" type="radio"/> Small Entity |
| <input type="radio"/> Micro Entity |
| <input type="radio"/> Regular Undiscounted |

Reason for withdrawal from issue

- One or more claims are unpatentable
- Consideration of a request for continued examination (RCE) (List of Required Documents and Fees)
- Applicant hereby expressly abandons the instant application (any attorney/agent signing for this reason must have power of attorney pursuant to 37 CFR 1.32(b)).

RCE request, submission, and fee.

- I certify, in accordance with 37 CFR 1.4(d)(4) that :
- The RCE request ,submission, and fee have already been filed in the above-identified application on
 - Are attached.

THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES

I certify, in accordance with 37 CFR 1.4(d)(4) that I am:

- An attorney or agent registered to practice before the Patent and Trademark Office who has been given power of attorney in this application.
- An attorney or agent registered to practice before the Patent and Trademark Office, acting in a representative capacity.
- A sole inventor
- A joint inventor; I certify that I am authorized to sign this submission on behalf of all of the inventors as evidenced by the power of attorney in the application
- A joint inventor; all of whom are signing this e-petition

| | |
|---------------------|-----------------|
| Signature | /Peter P. Tong/ |
| Name | Peter P. Tong |
| Registration Number | 35757 |

Amendments to the Specification

Please change the title of the Application from

"SYSTEMS AND PROCESSES TO MANAGE PRIVATE MESSAGES"

to

-- SYSTEMS AND PROCESSES TO MANAGE COMMUNICATION --

Amendments to the Claims:

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

Listing of Claims:

1. (Previously presented) An article for managing communication of a user, in view of a person trying to electronically convey a message to a device of the user without the need to know contact information of the device of the user, the article comprising:

a non-transitory computer readable storage medium comprising a plurality of instructions, when executed by a server, result in the server:

receiving the message from a device of the person;

identifying an identity of the person trying to electronically convey the message;

determining whether the user is available to receive the message;

sending information to the device of the person as to the availability of the user to receive the message; and

setting a process to electronically convey the message from the device of the person to the device of the user through the contact information of the device of the user, using one or more rules, based on at least a current status associated with the user, a preference of the user, and an access priority associated with the person,

wherein even when the process involves transmitting the message to the device of the user through the contact information of the device of the user, the contact information of the device of the user is not provided to the device of the person to prevent the person from contacting the device of the user through the contact information, without via the server.

2. (Previously presented) An article as recited in claim 1,

wherein the message is conveyed from the device of the person based on Internet protocol,

wherein the process allows the user to receive the message via an access identifier of the user,

wherein the process allows the message to be conveyed from the device of the person via a set of modes of communication,

wherein the set of modes of communication includes at least instant message and voice call, and

wherein the user has different access identifiers for at least two of the modes in the set of modes.

3. (Cancelled)

4. (Previously presented) An article as recited in claim 1, wherein the process includes presenting at the device of the user, the identity of the person.

5. (Original) An article as recited in claim 1 wherein the process includes determining a reply to the message in view of the current status of the user.

6. (Currently amended) An article for managing communication via a portal based on world wide web, of a user, in view of a person trying to electronically deliver and present a message to a device of the user, the article comprising:

a non-transitory computer readable storage medium comprising a plurality of instructions, when executed by a server, result in the server:

receiving, via the portal, the a message with an identifier of a user, from a device of the a person trying to electronically deliver and present the message to the user;

identifying ~~an identity of the person trying to electronically deliver and present the message;~~

determining ~~information regarding the availability of the user to receive the message;~~

sending to the device of the person, ~~the information regarding the availability of the user to receive the message;~~

storing an access priority, associated with the person, as identified, in a database associated with the server, wherein information regarding the access priority, associated with the person, from the device of the user; and

setting a process based on Internet protocol to electronically deliver and present the message from the device of the person to the device of the user, via the portal, through contact information of the device of the user, using one or more rules, based on at least ~~an~~ the access priority associated with the person retrieved from the database associated with the server,

wherein even when the process involves delivering and presenting the message to the device of the user through the contact information of the device of the user, the contact information of the device of the user is not provided to the device of the person, ~~and the message is delivered from the device of the person at least based on Internet protocol~~,

wherein the process allows the message to be delivered from the device of the person to the device of the user via a selected mode of communication from a plurality of different modes of communication, all using the identifier of the user, at least in view of the process being based on Internet protocol, and

wherein the plurality of different modes of communication include at least text message and voice call.

7. (Previously presented) An article as recited in claim 6, wherein the message from the device of the person is a text message.

8. (Previously presented) An article as recited in claim 6, wherein the contact information of the device of the user is a phone number of the user.

9. (Previously presented) An article as recited in claim 6, wherein the process to electronically deliver and present the message from the device of the person to the device of the user is also based on a previously-established communication preference.

10. (Previously presented) An article as recited in claim 6, wherein the process to electronically deliver and present the message from the device of the person to the device of the user is also based on an activity of the user.

11. (Previously presented) An article as recited in claim 6,
wherein the message is received from the device of the person via a contact information of the device of the person, and
wherein even when the process involves delivering and presenting the message to the device of the user, the contact information of the device of the person is not provided to the device of the user.

12. (Previously presented) An article as recited in claim 6, wherein the device of the person is configured to operate at least as a mobile phone.

13. (Previously presented) An article as recited in claim 6, wherein the process is also based on an activity of the user and a time.

14. (Previously presented) An article as recited in claim 6, wherein the process is also based on an activity of the user and a period of time.

15. (Previously presented) An article as recited in claim 14, wherein the process includes not presenting the message based on the period of time.

16. (Previously presented) An article as recited in claim 6,
wherein the message is received from the device of the person via a contact information of the device of the person,
wherein even when the process involves delivering and presenting the received message to the device of the user, the contact information of the device of the person is not provided to the device of the user,
wherein the device of the person is configured to operate at least as a mobile phone, and
wherein the process is also based on a period of time.

17. (Previously presented) An article as recited in claim 16, wherein the process includes not presenting the message based on the period of time.

18. (Currently amended) A server for managing communication via a portal based on world wide web, ~~of a user, in view of a person trying to electronically deliver and present a message to a device of the user,~~ the server comprising:

at least one computing device; and

at least one storage device storing instructions that, when executed by the at least one computing device, cause the at least one computing device to:

receive, via the portal, the a message with an identifier of a user, from a device of the a person trying to electronically deliver and present the message to the user;

identify the person;

determine availability of the user to receive the message;

send to the device of the person, information regarding the availability of the user to receive the message;

storing information, regarding whether the person, as identified, is blocked from accessing the user, in a database associated with the server, wherein the information, regarding whether the person is blocked from accessing the user, from the device of the user; and

set a process based on Internet protocol to electronically deliver and present the received message from the device of the person to the device of the user, via the portal, through contact information of the device of the user, using one or more rules, based on at least the information regarding whether the person is blocked from accessing the user, retrieved from the database associated with the server as predetermined by the user,

wherein even when the process involves delivering and presenting the message to the device of the user through the contact information of the device of the user, the contact information of the device of the user is not provided to the device of the person, ~~and the message is delivered from the device of the person at least based on Internet protocol,~~

wherein the process allows the message to be delivered from the device of the person to the device of the user via a selected mode of communication from a plurality of different modes of communication, all using the identifier of the user, at least in view of the process being based on Internet protocol, and

wherein the plurality of different modes of communication include at least text message and voice call.

19. (Previously presented) A server as recited in claim 18, wherein the message is received from the device of the person via a contact information of the device of the person,

wherein even when the process involves delivering and presenting the received message to the device of the user, the contact information of the device of the person is not provided to the device of the user, and

wherein the device of the person is configured to operate at least as a mobile phone.

20. (Previously presented) A server as recited in claim 19, wherein the process is also based on an activity of the user and a time.

21. (Previously presented) A server as recited in claim 19, wherein the process is also based on a period of time.

22. (Previously presented) An article as recited in claim 21, wherein the process includes not presenting the message based on the period of time.

REMARKS

Applicants sincerely appreciate the allowing of the above-identified application. By this amendment, Applicants have amended the title, amended claims 6 and 18 to further clarify the subject matter regarded as the invention. Accordingly, claims 1, 2, and 4-22 remain pending. Reconsideration of the application and an early Notice of Allowance is earnestly solicited.

If there are any issues remaining which the Examiner believes could be resolved through either a Supplemental Response or an Examiner's Amendment, the Examiner is respectfully requested to contact the undersigned representative at the telephone number listed below.

Respectfully submitted,

5150 El Camino Real
Building A, Suite 22
Los Altos, CA 94022
(650) 903-9200 ext 102

By: /Peter P. Tong/
Peter P. Tong
Registration No.: 35,757

| | | |
|--|------------------|------------------|
| Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary) | Atty. Docket No. | IPVMCP02C3 |
| | Application No.: | 14/922,344 |
| | Applicant | CHEUNG et al. |
| | Filing Date | October 26, 2015 |
| | Group | 2641 |
| | | Page 1 of 1 |

U.S. Patent Documents

| Examiner Initial | No. | Patent No. | Date | Patentee | Class | Sub-class | Filing Date |
|------------------|-----|------------|------|----------|-------|-----------|-------------|
| | 1. | | | | | | |
| | 2. | | | | | | |

Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)

| | |
|---|---|
| A | Notice of Allowance for U.S. Patent Application No. 11/006,343 dated June 6, 2006. |
| B | Office Action for U.S. Patent Application No. 11/497,651 dated May 14, 2007. |
| C | Office Action for U.S. Patent Application No. 11/497,651 dated October 9, 2007. |
| D | Notice of Allowance for U.S. Patent Application No. 11/497,651 dated Nov. 27, 2007. |
| E | Office Action for U.S. Patent Application No. 12/074,961, dated February 22, 2010. |
| F | Office Action for U.S. Patent Application No. 12/074,961, dated August 27, 2010. |
| G | Notice of Allowance for U.S. Patent Application No. 12/074,961, dated October 15, 2010. |
| H | Office Action for U. S. Patent Application No. 12/987,018, dated March 28, 2011. |
| I | Notice of Allowance for U. S. Patent Application No. 12/987,018, dated August 22, 2011. |
| J | Notice of Allowance for U.S. Patent Application No. 12/987,018, dated November 2, 2011. |
| K | Notice of Allowance for U.S. Patent Application No. 13/363,360, dated March 27, 2012. |
| L | Notice of Allowance for U.S. Patent Application No. 13/363,360, dated July 9, 2012. |
| M | Office Action for U.S. Patent Application No. 13/593,483, dated December 7, 2012. |
| N | Notice of Allowance for U.S. Patent Application No. 13/593,483, dated September 12, 2013. |
| O | Notice of Allowance for U.S. Patent Application No. 13/593,483, dated January 23, 2014. |
| P | Office Action for U.S. Patent Application No. 14/286,976, dated July 1, 2014. |
| Q | Office Action for U.S Patent Application No. 14/286,976, dated November 19, 2014. |
| R | Advisory Action for U.S. Patent Application No. 14/286,976, dated April 23, 2015. |
| S | Office Action for U.S. Patent Application No. 14/286,976, dated June 18, 2015. |
| T | Office Action for U.S. patent Application No. 14/286,976, dated April 19, 2016. |
| U | Office Action for U.S. Patent Application No. 14/286,976, dated December 13, 2016. |

| | |
|----------|-----------------|
| Examiner | Date Considered |
|----------|-----------------|

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Electronic Patent Application Fee Transmittal

| | | | | |
|--|--|-----------------|---------------|-----------------------------|
| Application Number: | 14922344 | | | |
| Filing Date: | 26-Oct-2015 | | | |
| Title of Invention: | SYSTEMS AND PROCESSES TO MANAGE PRIVATE MESSAGES | | | |
| First Named Inventor/Applicant Name: | Kwok Wai Cheung | | | |
| Filer: | Peter P. Tong | | | |
| Attorney Docket Number: | IPVMCP02C3 | | | |
| Filed as Small Entity | | | | |
| Filing Fees for Utility under 35 USC 111(a) | | | | |
| Description | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
| Basic Filing: | | | | |
| PETITION FEE-37CFR 1.17(H) (GROUP II) | 2464 | 1 | 70 | 70 |
| RCE- 2ND AND SUBSEQUENT REQUEST | 2820 | 1 | 850 | 850 |
| Pages: | | | | |
| Claims: | | | | |
| Miscellaneous-Filing: | | | | |
| Petition: | | | | |
| Patent-Appeals-and-Interference: | | | | |

| Description | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
|--|----------|----------|--------|----------------------|
| Post-Allowance-and-Post-Issuance: | | | | |
| Extension-of-Time: | | | | |
| Miscellaneous: | | | | |
| Total in USD (\$) | | | | 920 |



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

Decision Date : April 6, 2017

In re Application of :

Kwok Cheung

DECISION ON PETITION

UNDER CFR 1.313(c)(2)

Application No : 14922344

Filed : 26-Oct-2015

Attorney Docket No : IPVMCP02C3

This is an electronic decision on the petition under 37 CFR 1.313(c)(2), filed April 6, 2017, to withdraw the above-identified application from issue after payment of the issue fee.

The petition is **GRANTED**.

The above-identified application is withdrawn from issue for consideration of a submission under 37 CFR 1.114 (request for continued examination). See 37 CFR 1.313(c)(2).

Petitioner is advised that the issue fee paid in this application cannot be refunded. If, however, this application is again allowed, petitioner may request that it be applied towards the issue fee required by the new Notice of Allowance.

Telephone inquiries concerning this decision should be directed to the Patent Electronic Business Center (EBC) at 866-217-9197.

This application file is being referred to Technology Center AU 2641 for processing of the request for continuing examination under 37 CFR 1.114.

Office of Petitions

Electronic Acknowledgement Receipt

| | |
|---|--|
| EFS ID: | 28836024 |
| Application Number: | 14922344 |
| International Application Number: | |
| Confirmation Number: | 9763 |
| Title of Invention: | SYSTEMS AND PROCESSES TO MANAGE PRIVATE MESSAGES |
| First Named Inventor/Applicant Name: | Kwok Wal Cheung |
| Customer Number: | 34071 |
| Filer: | Peter P. Tong |
| Filer Authorized By: | |
| Attorney Docket Number: | IPVMCP02C3 |
| Receipt Date: | 06-APR-2017 |
| Filing Date: | 26-OCT-2015 |
| Time Stamp: | 11:00:36 |
| Application Type: | Utility under 35 USC 111(a) |

Payment information:

| | |
|--|-----------------------|
| Submitted with Payment | yes |
| Payment Type | CARD |
| Payment was successfully received in RAM | \$920 |
| RAM confirmation Number | 040617INTEFSW11003100 |
| Deposit Account | 503874 |
| Authorized User | Angela Nijim |

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

37 CFR 1.21 (Miscellaneous fees and charges)

| File Listing: | | | | | |
|----------------------|--|------------------------------------|--|------------------|------------------|
| Document Number | Document Description | File Name | File Size(Bytes)/ Message Digest | Multi Part /.zip | Pages (if appl.) |
| 1 | Request for Continued Examination (RCE) | IPVMCP02C3_RCE_4-5-17.pdf | 697611 42921b37645769a0d72187951052300139f580ac | no | 3 |
| Warnings: | | | | | |
| Information: | | | | | |
| 2 | Transmittal Letter | IPVMCP02C3_IDSTrans_4-17.pdf | 22307 6551a19e1f5c3063e9f4b1f5c320f495c8e496135 | no | 2 |
| Warnings: | | | | | |
| Information: | | | | | |
| 3 | Transmittal Letter | IPCMCP02C3_AmdDTrans_4-5-17.pdf | 18531 e1e8f000d42efb40c21d0ac37ad8dc9b4749bda | no | 1 |
| Warnings: | | | | | |
| Information: | | | | | |
| 4 | Petition automatically granted by EFS | petition-request.pdf | 31414 5c6f6ae7d3c5f3a100177cc6714d16ae55f693f | no | 2 |
| Warnings: | | | | | |
| Information: | | | | | |
| 5 | Amendment Submitted/Entered with Filing of CPA/RCE | IPVMCP02C3_AmdD_AsFiled_4-6-17.pdf | 47006 62d06674f5663656d13f4e4716d2140a8d13e7a2 | no | 9 |
| Warnings: | | | | | |
| Information: | | | | | |
| 6 | Information Disclosure Statement (IDS) Form (SB08) | IPVMCP02C3_1449_4-17.pdf | 21378 f0d85a95f61ca011b4e48009d2349a86316f5d83 | no | 1 |
| Warnings: | | | | | |
| Information: | | | | | |

This is not an USPTO supplied IDS fillable form

| | | | | | |
|---|----------------------|--------------|--|----|---|
| 7 | Fee Worksheet (SB06) | fee-info.pdf | 32594 | no | 2 |
| | | | 880a17461ee52b09d14ac03ecc10d1c78cf21d03 | | |

Warnings:

Information:

Total Files Size (in bytes):

870841

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.

Amendments to the Specification

Please change the title of the Application from

“SYSTEMS AND PROCESSES TO MANAGE COMMUNICATION”

to

“SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF
COMMUNICATION”

Amendments to the Claims:

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

Listing of Claims:

1. (Currently amended) An article for managing communication of a user, in view of a person trying to electronically convey a message to a device of the user without the need to know contact information of the device of the user, the article comprising:

[a] at least one non-transitory computer readable storage medium comprising a plurality of instructions, when executed ~~by a server~~, result in a computing apparatus ~~the server~~:

receiving the message from a device of the person;

identifying an identity of the person trying to electronically convey the message;

~~determining whether the user is available to receive the message;~~

~~sending information to the device of the person as to the availability of the user to receive the message; and~~

setting a process to electronically convey the message from the device of the person to the device of the user through the contact information of the device of the user, using one or more rules, based on at least a current status associated with the user, a preference of the user, and an access priority associated with the person,

wherein the at least one non-transitory computer readable storage medium comprises instructions, when executed, result in determining whether the user is available to receive the message, and

wherein even when the process involves transmitting the message to the device of the user through the contact information of the device of the user, the contact information of the device of the user is not provided to the device of the person to prevent the person from contacting the device of the user through the contact information, without via the computing apparatus ~~server~~.

2. (Previously presented) An article as recited in claim 1,
wherein the message is conveyed from the device of the person based on Internet protocol,
wherein the process allows the user to receive the message via an access identifier of the user,
wherein the process allows the message to be conveyed from the device of the person via a set of modes of communication,
wherein the set of modes of communication includes at least instant message and voice call, and
wherein the user has different access identifiers for at least two of the modes in the set of modes.
3. (Cancelled)
4. (Previously presented) An article as recited in claim 1, wherein the process includes presenting at the device of the user, the identity of the person.
5. (Original) An article as recited in claim 1 wherein the process includes determining a reply to the message in view of the current status of the user.
6. (Currently amended) An article for managing communication via a portal based on world wide web, the article comprising:
 - [a] at least one non-transitory computer readable storage medium comprising a plurality of instructions, when executed ~~by a server~~, result in a computing apparatus ~~the server~~:
 - receiving, via the portal, a message with an identifier of a user, from a device of a person trying to electronically deliver and present the message to the user;
 - identifying the person;
 - ~~determining availability of the user to receive the message;~~
 - ~~sending to the device of the person, information regarding the availability of the user to receive the message;~~

storing an access priority, associated with the person, as identified, in a database associated with the computing apparatus server, wherein information regarding the access priority, associated with the person, is from the device of the user; and

setting a process based on Internet protocol to electronically deliver and present the message from the device of the person to the device of the user, via the portal, through contact information of the device of the user, using one or more rules, based on at least the access priority associated with the person retrieved from the database associated with the computing apparatus server,

wherein the at least one non-transitory computer readable storage medium comprises instructions, when executed, result in determining availability of the user to receive the message,

wherein even when the process involves delivering and presenting the message to the device of the user through the contact information of the device of the user, the contact information of the device of the user is not provided to the device of the person,

wherein the process allows the message to be delivered from the device of the person to the device of the user via a selected mode of communication from a plurality of different modes of communication, all using the identifier of the user, at least in view of the process being based on Internet protocol, and

wherein the plurality of different modes of communication include at least text message and voice call.

7. (Previously presented) An article as recited in claim 6, wherein the message from the device of the person is a text message.

8. (Previously presented) An article as recited in claim 6, wherein the contact information of the device of the user is a phone number of the user.

9. (Previously presented) An article as recited in claim 6, wherein the process to electronically deliver and present the message from the device of the

person to the device of the user is also based on a previously-established communication preference.

10. (Previously presented) An article as recited in claim 6, wherein the process to electronically deliver and present the message from the device of the person to the device of the user is also based on an activity of the user.

11. (Previously presented) An article as recited in claim 6,
wherein the message is received from the device of the person via a contact information of the device of the person, and
wherein even when the process involves delivering and presenting the message to the device of the user, the contact information of the device of the person is not provided to the device of the user.

12. (Previously presented) An article as recited in claim 6, wherein the device of the person is configured to operate at least as a mobile phone.

13. (Currently amended) An article as recited in claim 6, wherein the process is also based on ~~an activity of the user and~~ a time.

14. (Currently amended) An article as recited in claim 6, wherein the process is also based on ~~an activity of the user and~~ a period of time.

15. (Previously presented) An article as recited in claim 14, wherein the process includes not presenting the message based on the period of time.

16. (Previously presented) An article as recited in claim 6,
wherein the message is received from the device of the person via a contact information of the device of the person,
wherein even when the process involves delivering and presenting the received message to the device of the user, the contact information of the device of the person is not provided to the device of the user,

wherein the device of the person is configured to operate at least as a mobile phone, and

wherein the process is also based on a period of time.

17. (Previously presented) An article as recited in claim 16, wherein the process includes not presenting the message based on the period of time.

18. (Currently amended) ~~A server~~ A computing apparatus for managing communication via a portal based on world wide web, the computing apparatus ~~server~~ comprising:

at least one computing device; and

at least one storage device coupled to the at least one computing device, with the at least one storage device storing instructions that, when executed by the ~~at least one computing device~~, cause the computing apparatus ~~at least one computing device~~ to:

receive, via the portal, a message with an identifier of a user, from a device of a person trying to electronically deliver and present the message to the user;

identify the person;

~~determine availability of the user to receive the message;~~

~~send to the device of the person, information regarding the availability of the user to receive the message;~~

~~storing store~~ store information, regarding whether the person, as identified, is blocked from accessing the user, in a database associated with the computing apparatus ~~server~~, wherein the information, regarding whether the person is blocked from accessing the user, is ~~is~~ from the device of the user; and

set a process based on Internet protocol to electronically deliver and present the received message from the device of the person to the device of the user, via the portal, through contact information of the device of the user, using one or more rules, based on at least the information, regarding

whether the person is blocked from accessing the user, retrieved from the database associated with the computing apparatus server,
wherein the at least one storage device stores instructions that, when executed, cause the computing apparatus to determine availability of the user to receive the message,

wherein even when the process involves delivering and presenting the message to the device of the user through the contact information of the device of the user, the contact information of the device of the user is not provided to the device of the person,

wherein the process allows the message to be delivered from the device of the person to the device of the user via a selected mode of communication from a plurality of different modes of communication, all using the identifier of the user, at least in view of the process being based on Internet protocol, and

wherein the plurality of different modes of communication include at least text message and voice call.

19. (Currently amended) ~~A server~~ A computing apparatus as recited in claim 18,

wherein the message is received from the device of the person via a contact information of the device of the person,

wherein even when the process involves delivering and presenting the received message to the device of the user, the contact information of the device of the person is not provided to the device of the user, and

wherein the device of the person is configured to operate at least as a mobile phone.

20. (Currently amended) ~~A server~~ A computing apparatus as recited in claim 19, wherein the process is also based on ~~an activity of the user and~~ a time.

21. (Currently amended) ~~A server~~ A computing apparatus as recited in claim 19, wherein the process is also based on a period of time.

22. (Currently amended) ~~An article~~ A computing apparatus as recited in claim 21, wherein the process includes not presenting the message based on the period of time.

23. (New) A computing apparatus as recited in claim 18, wherein the contact information of the device of the user includes a phone number of the user.

24. (New) A computing apparatus as recited in claim 18, wherein the contact information of the device of the user includes an email address of the user.

25. (New) A computing apparatus for managing communication via a portal based on world wide web, the computing apparatus comprising:

at least one computing device; and

one or more storage devices coupled to the at least one computing device, with the one or more storage devices storing instructions that, when executed, cause the computing apparatus to:

receive, via the portal, a message with an identifier of a user, from a device of a person trying to electronically deliver and present the message to the user;

identify the person;

store information, regarding whether the person, as identified, is blocked from accessing the user, in a database associated with the computing apparatus, wherein the information, regarding whether the person is blocked from accessing the user, is from the device of the user; and

set a process based on Internet protocol to electronically deliver and present the received message from the device of the person to the device of the user, via the portal, through contact information of the device of the user, using one or more rules, based on at least the information, regarding whether the person is blocked from accessing the user, retrieved from the database associated with the computing apparatus,

wherein the one or more storage devices store instructions that, when executed, cause the computing apparatus to determine availability of the user to receive the message,

wherein even when the process involves delivering and presenting the message to the device of the user through the contact information of the device of the user, the contact information of the device of the user is not provided to the device of the person,

wherein the process allows the message to be delivered from the device of the person to the device of the user via a selected mode of communication from a plurality of different modes of communication, all using the identifier of the user, at least in view of the process being based on Internet protocol,

wherein the plurality of different modes of communication include at least text message and voice call,

wherein the device of the person is configured to operate at least as a mobile phone, and

wherein the process is also based on a time.

26. (New) A computing apparatus as recited in claim 25, wherein the process is also based on a period of time.

27. (New) A computing apparatus as recited in claim 26, wherein the process includes not presenting the message based on the period of time.

28. (New) A computing apparatus as recited in claim 27, wherein the contact information of the device of the user includes a phone number of the user.

REMARKS

Applicants previously presented claims 1, 2, and 4-22 for examination. By this amendment, Applicants have amended claims 1, 6 and 18-22 to further clarify the subject matter regarded as the invention; and have added claims 23-28. Accordingly, claims 1, 2, and 4-28 are pending. Reconsideration of the application and an early Notice of Allowance is earnestly solicited.

If there are any issues remaining which the Examiner believes could be resolved through either a Supplemental Response or an Examiner's Amendment, the Examiner is respectfully requested to contact the undersigned representative at the telephone number listed below.

Respectfully submitted,

5150 El Camino Real
Building A, Suite 22
Los Altos, CA 94022
(650) 903-9200 ext 102

By: /Peter P. Tong/
Peter P. Tong
Registration No.: 35,757

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: CHEUNG et al.

Attorney Docket No.: IPVMCP02C3

Application No.: 14/922,344

Examiner: DOAN, KIET M.

Filed: October 26, 2015

Group: 2641

Title: SYSTEMS AND PROCESSES TO
MANAGE COMUNICATION

**INFORMATION DISCLOSURE STATEMENT
37 CFR §§1.56 AND 1.97(b)**

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

Dear Sir:

The references listed in the attached PTO Form 1449, copies of which are attached, may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is: (i) filed within three (3) months of the filing date of the above-referenced application, (ii) believed to be filed before the mailing date of a first Office Action on the merits, or (iii) believed to be filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under §1.114.

Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 50-3874 (Order No. IPVMCP02C3).

Respectfully submitted,

/Peter P. Tong/

Peter P. Tong
Registration No. 35,757

5150 El Camino Real,
Building A, Ste. 22
Los Altos, CA 94022

| | | |
|--|------------------|------------------|
| Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary) | Atty. Docket No. | IPVMCP02C3 |
| | Application No.: | 14/922,344 |
| | Applicant | CHEUNG et al. |
| | Filing Date | October 26, 2015 |
| | Group | 2641 |
| | | Page 1 of 1 |

U.S. Patent Documents

| Examiner Initial | No. | Patent No. | Date | Patentee | Class | Sub-class | Filing Date |
|---|-----|--|------|----------|-------|-----------|-------------|
| | 1. | | | | | | |
| | 2. | | | | | | |
| Other Documents (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
| | A | Office Action for U.S. Patent Application No. 12/798,995, dated April 11, 2011. | | | | | |
| | B | Notice of Allowance for U.S. Patent Application No. 12,798,995, dated May 9, 2012. | | | | | |
| | C | Notice of Allowance for U.S. Patent Application No. 12/798,995, dated July 16, 2013. | | | | | |
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| Examiner | Date Considered |
|----------|-----------------|

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Electronic Patent Application Fee Transmittal

| | | | | |
|--|--|-----------------|---------------|-----------------------------|
| Application Number: | 14922344 | | | |
| Filing Date: | 26-Oct-2015 | | | |
| Title of Invention: | SYSTEMS AND PROCESSES TO MANAGE PRIVATE MESSAGES | | | |
| First Named Inventor/Applicant Name: | Kwok Wai Cheung | | | |
| Filer: | Peter P. Tong/Angela Nijim | | | |
| Attorney Docket Number: | IPVMCP02C3 | | | |
| Filed as Small Entity | | | | |
| Filing Fees for Utility under 35 USC 111(a) | | | | |
| Description | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
| Basic Filing: | | | | |
| Pages: | | | | |
| Claims: | | | | |
| CLAIMS IN EXCESS OF 20 | 2202 | 6 | 40 | 240 |
| INDEPENDENT CLAIMS IN EXCESS OF 3 | 2201 | 1 | 210 | 210 |
| Miscellaneous-Filing: | | | | |
| Petition: | | | | |
| Patent-Appeals-and-Interference: | | | | |

| Description | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
|--|----------|----------|--------|----------------------|
| Post-Allowance-and-Post-Issuance: | | | | |
| Extension-of-Time: | | | | |
| Miscellaneous: | | | | |
| Total in USD (\$) | | | | 450 |

Electronic Acknowledgement Receipt

| | |
|---|--|
| EFS ID: | 29068582 |
| Application Number: | 14922344 |
| International Application Number: | |
| Confirmation Number: | 9763 |
| Title of Invention: | SYSTEMS AND PROCESSES TO MANAGE PRIVATE MESSAGES |
| First Named Inventor/Applicant Name: | Kwok Wal Cheung |
| Customer Number: | 34071 |
| Filer: | Peter P. Tong/Angela Nijim |
| Filer Authorized By: | Peter P. Tong |
| Attorney Docket Number: | IPVMCP02C3 |
| Receipt Date: | 28-APR-2017 |
| Filing Date: | 26-OCT-2015 |
| Time Stamp: | 18:02:50 |
| Application Type: | Utility under 35 USC 111(a) |

Payment information:

| | |
|--|-----------------------|
| Submitted with Payment | yes |
| Payment Type | CARD |
| Payment was successfully received in RAM | \$450 |
| RAM confirmation Number | 050117INTEFSW18035300 |
| Deposit Account | 503874 |
| Authorized User | Angela Nijim |

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:
 37 CFR 1.21 (Miscellaneous fees and charges)

| File Listing: | | | | | |
|---|--|----------------------------------|---|------------------|------------------|
| Document Number | Document Description | File Name | File Size(Bytes)/ Message Digest | Multi Part /.zip | Pages (if appl.) |
| 1 | Miscellaneous Incoming Letter | IPCMCP02C3_AmdETrans_4-17.pdf | 18533 0c2088935290e11f7d8edd2d91f6602302b296cc | no | 1 |
| Warnings: | | | | | |
| Information: | | | | | |
| 2 | Preliminary Amendment | IPVMCP02C3_AmdE_AsFiled_4-17.pdf | 55112 755022b17710e817bad028531f92a35e1201dfe1 | no | 11 |
| Warnings: | | | | | |
| Information: | | | | | |
| 3 | Transmittal Letter | IPVMCP02C3_IDSTrans-2_4-17.pdf | 22301 89e79c0900105b8c7b7a971277a79d3d1f8dc1 | no | 2 |
| Warnings: | | | | | |
| Information: | | | | | |
| 4 | Information Disclosure Statement (IDS) Form (SB08) | IPVMCP02C3_1449-2_4-17.pdf | 20328 c0eeedc0f1e7f6e097238ac23f03cf146781c0c | no | 1 |
| Warnings: | | | | | |
| Information: | | | | | |
| This is not an USPTO supplied IDS fillable form | | | | | |
| 5 | Fee Worksheet (SB06) | fee-info.pdf | 32075 110a01f558108w972cf115594e957598bc0ac1a7c0 | no | 2 |
| Warnings: | | | | | |
| Information: | | | | | |
| Total Files Size (in bytes): | | | 148349 | | |

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Cheung et al.

Attorney Docket No.: IPVMCP02C3

Application No.: 14/922,344

Examiner: DOAN, KIET M.

Filed: October 26, 2015

Group: 2641

Title: SYSTEMS AND PROCESSES TO
MANAGE COMUNICATION

AMENDMENT E TRANSMITTAL

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

Sir:

Transmitted herewith is an Amendment in the above-identified application.

The fee has been calculated as shown below.

| | Claims After Amendment | | Highest Previously Paid For | Present Extra | Small Entity Rate Fee | Large Entity Rate Fee |
|--|------------------------------|-------|-----------------------------------|------------------|--------------------------|--------------------------|
| Total Claims | 27 | MINUS | 21 | 06 | x 40 = 240 | x 80 = |
| Independent Claims | 4 | MINUS | 3 | 01 | x 210 = 210 | x 420 = |
| Multiple Dependent Claim Present and Fee Not Previously Paid | | | | | \$ | \$ |
| Total | | | | | \$450.00 | \$ |

- Applicant(s) hereby petition for a ____- month extension(s) of time to respond to the aforementioned Office Action.
- Applicant(s) believe that no (additional) Extension of Time is required; however, if it is determined that such an extension is required, Applicant(s) hereby petition that such an extension be granted and authorize the Commissioner to charge the required fees for an Extension of Time under 37 CFR 1.136 to Deposit Account No. 50-3874 (Order No. IPVMCP02C3).
- Any fees due are being paid electronically herewith.
- Please charge any additional fees required to facilitate filing the enclosed response, to Deposit Account No. 50-3874 (Order No. IPVMCP02C3).

Respectfully submitted,

/Peter P. Tong/

Peter P. Tong
Reg. No. 35,757

Appln. No. 14/922,344

Atty. Docket No. IPVMCP02C3

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| | | | |
|---|---|----------------------------------|---------------------------------------|
| PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875 | Application or Docket Number 14/922,344 | Filing Date 10/26/2015 | <input type="checkbox"/> To be Mailed |
|---|---|----------------------------------|---------------------------------------|

ENTITY: LARGE SMALL MICRO

APPLICATION AS FILED – PART I

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

APPLICATION AS AMENDED – PART II

| | (Column 1) | (Column 2) | (Column 3) | PRESENT EXTRA | RATE (\$) | ADDITIONAL FEE (\$) |
|--|--|----------------------------------|------------------------------------|---------------|-----------------|---------------------|
| AMENDMENT | 04/28/2017 | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | | | |
| | Total (37 CFR 1.16(i)) | - 27 | Minus: ** 21 | = 6 | X \$40 = | 240 |
| | Independent (37 CFR 1.16(h)) | - 4 | Minus: *** 3 | = 1 | X \$210 = | 210 |
| | <input type="checkbox"/> Application Size Fee (37 CFR 1.16(s)) | | | | | |
| <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) | | | | | | |
| | | | | | TOTAL ADD'L FEE | 450 |

| | (Column 1) | (Column 2) | (Column 3) | PRESENT EXTRA | RATE (\$) | ADDITIONAL FEE (\$) |
|--|--|----------------------------------|------------------------------------|---------------|-----------------|---------------------|
| AMENDMENT | | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | | | |
| | Total (37 CFR 1.16(i)) | - | Minus: ** | = | X \$ = | |
| | Independent (37 CFR 1.16(h)) | - | Minus: *** | = | X \$ = | |
| | <input type="checkbox"/> Application Size Fee (37 CFR 1.16(s)) | | | | | |
| <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) | | | | | | |
| | | | | | TOTAL ADD'L FEE | |

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

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

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

LIE
BRENDA HINES

Amendments to the Claims:

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

Listing of Claims:

1. (Currently amended) An article for managing communication of a user, in view of a person trying to electronically convey a message to a device of the user without the need to know contact information of the device of the user, the article comprising:

at least one non-transitory computer readable storage medium comprising a plurality of instructions, when executed, result in a computing apparatus:

receiving the message from a device of the person;

identifying an identity of the person trying to electronically convey the message; and

setting a process to electronically convey the message from the device of the person to the device of the user through the contact information of the device of the user, using one or more rules, based on at least a current status associated with the user, a preference of the user, and an access priority associated with the person,

wherein the at least one non-transitory computer readable storage medium comprises instructions, when executed, result in determining whether the user is available to receive the message, and

wherein even when the process involves transmitting the message to the device of the user through the contact information of the device of the user, the contact information of the device of the user is not provided to the device of the person ~~to prevent the person from contacting the device of the user through the contact information, without via the computing apparatus.~~

2. (Previously presented) An article as recited in claim 1,

wherein the message is conveyed from the device of the person based on Internet protocol,

wherein the process allows the user to receive the message via an access identifier of the user,

wherein the process allows the message to be conveyed from the device of the person via a set of modes of communication,

wherein the set of modes of communication includes at least instant message and voice call, and

wherein the user has different access identifiers for at least two of the modes in the set of modes.

3. (Cancelled)

4. (Previously presented) An article as recited in claim 1, wherein the process includes presenting at the device of the user, the identity of the person.

5. (Original) An article as recited in claim 1 wherein the process includes determining a reply to the message in view of the current status of the user.

6. (Previously presented) An article for managing communication via a portal based on world wide web, the article comprising:

at least one non-transitory computer readable storage medium comprising a plurality of instructions, when executed, result in a computing apparatus:

receiving, via the portal, a message with an identifier of a user, from a device of a person trying to electronically deliver and present the message to the user;

identifying the person;

storing an access priority, associated with the person, as identified, in a database associated with the computing apparatus, wherein information regarding the access priority, associated with the person, is from the device of the user; and

setting a process based on Internet protocol to electronically deliver and present the message from the device of the person to the device of the user, via the portal, through contact information of the device of the user,

using one or more rules, based on at least the access priority associated with the person retrieved from the database associated with the computing apparatus,

wherein the at least one non-transitory computer readable storage medium comprises instructions, when executed, result in determining availability of the user to receive the message,

wherein even when the process involves delivering and presenting the message to the device of the user through the contact information of the device of the user, the contact information of the device of the user is not provided to the device of the person,

wherein the process allows the message to be delivered from the device of the person to the device of the user via a selected mode of communication from a plurality of different modes of communication, all using the identifier of the user, at least in view of the process being based on Internet protocol, and

wherein the plurality of different modes of communication include at least text message and voice call.

7. (Previously presented) An article as recited in claim 6, wherein the message from the device of the person is a text message.

8. (Previously presented) An article as recited in claim 6, wherein the contact information of the device of the user is a phone number of the user.

9. (Previously presented) An article as recited in claim 6, wherein the process to electronically deliver and present the message from the device of the person to the device of the user is also based on a previously-established communication preference.

10. (Previously presented) An article as recited in claim 6, wherein the process to electronically deliver and present the message from the device of the person to the device of the user is also based on an activity of the user.

11. (Previously presented) An article as recited in claim 6,
wherein the message is received from the device of the person via a contact information of the device of the person, and
wherein even when the process involves delivering and presenting the message to the device of the user, the contact information of the device of the person is not provided to the device of the user.
12. (Previously presented) An article as recited in claim 6, wherein the device of the person is configured to operate at least as a mobile phone.
13. (Previously presented) An article as recited in claim 6, wherein the process is also based on a time.
14. (Previously presented) An article as recited in claim 6, wherein the process is also based on a period of time.
15. (Previously presented) An article as recited in claim 14, wherein the process includes not presenting the message based on the period of time.
16. (Previously presented) An article as recited in claim 6,
wherein the message is received from the device of the person via a contact information of the device of the person,
wherein even when the process involves delivering and presenting the received message to the device of the user, the contact information of the device of the person is not provided to the device of the user,
wherein the device of the person is configured to operate at least as a mobile phone, and
wherein the process is also based on a period of time.
17. (Previously presented) An article as recited in claim 16, wherein the process includes not presenting the message based on the period of time.

18. (Previously presented) A computing apparatus for managing communication via a portal based on world wide web, the computing apparatus comprising:

at least one computing device; and

at least one storage device coupled to the at least one computing device, with the at least one storage device storing instructions that, when executed, cause the computing apparatus to:

receive, via the portal, a message with an identifier of a user, from a device of a person trying to electronically deliver and present the message to the user;

identify the person;

store information, regarding whether the person, as identified, is blocked from accessing the user, in a database associated with the computing apparatus, wherein the information, regarding whether the person is blocked from accessing the user, is from the device of the user; and

set a process based on Internet protocol to electronically deliver and present the received message from the device of the person to the device of the user, via the portal, through contact information of the device of the user, using one or more rules, based on at least the information, regarding whether the person is blocked from accessing the user, retrieved from the database associated with the computing apparatus,

wherein the at least one storage device stores instructions that, when executed, cause the computing apparatus to determine availability of the user to receive the message,

wherein even when the process involves delivering and presenting the message to the device of the user through the contact information of the device of the user, the contact information of the device of the user is not provided to the device of the person,

wherein the process allows the message to be delivered from the device of the person to the device of the user via a selected mode of communication from a

plurality of different modes of communication, all using the identifier of the user, at least in view of the process being based on Internet protocol, and

wherein the plurality of different modes of communication include at least text message and voice call.

19. (Previously presented) A computing apparatus as recited in claim 18, wherein the message is received from the device of the person via a contact information of the device of the person,

wherein even when the process involves delivering and presenting the received message to the device of the user, the contact information of the device of the person is not provided to the device of the user, and

wherein the device of the person is configured to operate at least as a mobile phone.

20. (Previously presented) A computing apparatus as recited in claim 19, wherein the process is also based on a time.

21. (Previously presented) A computing apparatus as recited in claim 19, wherein the process is also based on a period of time.

22. (Previously presented) A computing apparatus as recited in claim 21, wherein the process includes not presenting the message based on the period of time.

23. (Previous presented) A computing apparatus as recited in claim 18, wherein the contact information of the device of the user includes a phone number of the user.

24. (Previously presented) A computing apparatus as recited in claim 18, wherein the contact information of the device of the user includes an email address of the user.

25. (Previously presented) A computing apparatus for managing communication via a portal based on world wide web, the computing apparatus comprising:

at least one computing device; and

one or more storage devices coupled to the at least one computing device, with the one or more storage devices storing instructions that, when executed, cause the computing apparatus to:

receive, via the portal, a message with an identifier of a user, from a device of a person trying to electronically deliver and present the message to the user;

identify the person;

store information, regarding whether the person, as identified, is blocked from accessing the user, in a database associated with the computing apparatus, wherein the information, regarding whether the person is blocked from accessing the user, is from the device of the user; and

set a process based on Internet protocol to electronically deliver and present the received message from the device of the person to the device of the user, via the portal, through contact information of the device of the user, using one or more rules, based on at least the information, regarding whether the person is blocked from accessing the user, retrieved from the database associated with the computing apparatus,

wherein the one or more storage devices store instructions that, when executed, cause the computing apparatus to determine availability of the user to receive the message,

wherein even when the process involves delivering and presenting the message to the device of the user through the contact information of the device of the user, the contact information of the device of the user is not provided to the device of the person,

wherein the process allows the message to be delivered from the device of the person to the device of the user via a selected mode of communication from a

plurality of different modes of communication, all using the identifier of the user, at least in view of the process being based on Internet protocol,

wherein the plurality of different modes of communication include at least text message and voice call,

wherein the device of the person is configured to operate at least as a mobile phone, and

wherein the process is also based on a time.

26. (Previously presented) A computing apparatus as recited in claim 25, wherein the process is also based on a period of time.

27. (Previously presented) A computing apparatus as recited in claim 26, wherein the process includes not presenting the message based on the period of time.

28. (Previously presented) A computing apparatus as recited in claim 27, wherein the contact information of the device of the user includes a phone number of the user.

REMARKS

Applicants previously presented claims 1, 2, and 4-28 for examination. By this amendment, Applicants have amended claim 1 to further clarify the subject matter regarded as the invention. Accordingly, claims 1, 2, and 4-28 remain pending. Reconsideration of the application and an early Notice of Allowance is earnestly solicited.

If there are any issues remaining which the Examiner believes could be resolved through either a Supplemental Response or an Examiner's Amendment, the Examiner is respectfully requested to contact the undersigned representative at the telephone number listed below.

Respectfully submitted,

5150 El Camino Real
Building A, Suite 22
Los Altos, CA 94022
(650) 903-9200 ext 102

By: /Peter P. Tong/
Peter P. Tong
Registration No.: 35,757

Electronic Acknowledgement Receipt

| | |
|---|--|
| EFS ID: | 29116298 |
| Application Number: | 14922344 |
| International Application Number: | |
| Confirmation Number: | 9763 |
| Title of Invention: | SYSTEMS AND PROCESSES TO MANAGE PRIVATE MESSAGES |
| First Named Inventor/Applicant Name: | Kwok Wal Cheung |
| Customer Number: | 34071 |
| Filer: | Peter P. Tong |
| Filer Authorized By: | |
| Attorney Docket Number: | IPVMCP02C3 |
| Receipt Date: | 04-MAY-2017 |
| Filing Date: | 26-OCT-2015 |
| Time Stamp: | 19:53:14 |
| Application Type: | Utility under 35 USC 111(a) |

Payment information:

| | |
|------------------------|----|
| Submitted with Payment | no |
|------------------------|----|

File Listing:

| Document Number | Document Description | File Name | File Size(Bytes)/ Message Digest | Multi Part /.zip | Pages (if appl.) |
|-----------------|-------------------------------|-------------------------------|---|------------------|------------------|
| 1 | Miscellaneous Incoming Letter | IPCMCP02C3_AmdFTrans_5-17.pdf | 18526 <small>51e93a39f68725b24e475d535e9d83c3b96f165d5</small> | no | 1 |

Warnings:

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|---|-----------------------|----------------------------------|---|-------|
| Information: | | | | |
| 2 | Preliminary Amendment | IPVMCP02C3_AmdF_AsFiled_5-17.pdf | 50727 663d112be683238e177280af94efdb0a122ae7ec | no 10 |
| Warnings: | | | | |
| Information: | | | | |
| Total Files Size (in bytes): | | | 69253 | |
| <p>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.</p> <p><u>New Applications Under 35 U.S.C. 111</u> 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.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> 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.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> 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.</p> | | | | |

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Cheung et al.

Attorney Docket No.: IPVMCP02C3

Application No.: 14/922,344

Examiner: DOAN, KIET M.

Filed: October 26, 2015

Group: 2641

Title: SYSTEMS AND PROCESSES TO
MANAGE COMUNICATION

AMENDMENT F TRANSMITTAL

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

Sir:

Transmitted herewith is an Amendment in the above-identified application.

The fee has been calculated as shown below.

| | Claims After Amendment | | Highest Previously Paid For | Present Extra | Small Entity Rate Fee | Large Entity Rate Fee |
|--|------------------------------|-------|-----------------------------------|------------------|--------------------------|--------------------------|
| Total Claims | 27 | MINUS | 27 | 0 | x 40 = | x 80 = |
| Independent Claims | 4 | MINUS | 4 | 0 | x 210 = | x 420 = |
| Multiple Dependent Claim Present and Fee Not Previously Paid | | | | | \$ | \$ |
| Total | | | | | \$0.00 | \$ |

- Applicant(s) hereby petition for a ____- month extension(s) of time to respond to the aforementioned Office Action.
- Applicant(s) believe that no (additional) Extension of Time is required; however, if it is determined that such an extension is required, Applicant(s) hereby petition that such an extension be granted and authorize the Commissioner to charge the required fees for an Extension of Time under 37 CFR 1.136 to Deposit Account No. 50-3874 (Order No. IPVMCP02C3).
- Any fees due are being paid electronically herewith.
- Please charge any additional fees required to facilitate filing the enclosed response, to Deposit Account No. 50-3874 (Order No. IPVMCP02C3).

Respectfully submitted,

/Peter P. Tong/

Peter P. Tong
Reg. No. 35,757

Appln. No. 14/922,344

Atty. Docket No. IPVMCP02C3

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| | | | | | |
|---|---|--------------|---|----------------------------------|---------------------------------------|
| PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875 | | | Application or Docket Number 14/922,344 | Filing Date 10/26/2015 | <input type="checkbox"/> To be Mailed |
| ENTITY: <input type="checkbox"/> LARGE <input checked="" type="checkbox"/> SMALL <input type="checkbox"/> MICRO | | | | | |
| APPLICATION AS FILED – PART I | | | | | |
| (Column 1) | | (Column 2) | | | |
| FOR | NUMBER FILED | NUMBER EXTRA | RATE (\$) | FEE (\$) | |
| <input type="checkbox"/> BASIC FEE <small>(37 CFR 1.16(a), (b), or (c))</small> | N/A | N/A | N/A | | |
| <input type="checkbox"/> SEARCH FEE <small>(37 CFR 1.16(k), (l), or (m))</small> | N/A | N/A | N/A | | |
| <input type="checkbox"/> EXAMINATION FEE <small>(37 CFR 1.16(o), (p), or (q))</small> | N/A | N/A | N/A | | |
| TOTAL CLAIMS <small>(37 CFR 1.16(j))</small> | minus 20 = | * | X \$ = | | |
| INDEPENDENT CLAIMS <small>(37 CFR 1.16(h))</small> | minus 3 = | * | X \$ = | | |
| <input type="checkbox"/> APPLICATION SIZE FEE <small>(37 CFR 1.16(s))</small> | If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). | | | | |
| <input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT <small>(37 CFR 1.16(j))</small> | | | | | |
| | | | TOTAL | | |

* If the difference in column 1 is less than zero, enter "0" in column 2.

| | | | | | | | |
|---|--|----------------------------------|-------|------------------------------------|---------------|-----------------|---------------------|
| APPLICATION AS AMENDED – PART II | | | | | | | |
| (Column 1) | | (Column 2) | | (Column 3) | | | |
| AMENDMENT | 05/04/2017 | CLAIMS REMAINING AFTER AMENDMENT | | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE (\$) | ADDITIONAL FEE (\$) |
| | Total (37 CFR 1.16(i)) | • 27 | Minus | ** 27 | = 0 | X \$40 = | 0 |
| | Independent (37 CFR 1.16(h)) | • 4 | Minus | *** 4 | = 0 | X \$210 = | 0 |
| | <input type="checkbox"/> Application Size Fee (37 CFR 1.16(s)) | | | | | | |
| | <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) | | | | | | |
| | | | | | | TOTAL ADD'L FEE | 0 |

| | | | | | | | |
|------------------|--|----------------------------------|-------|------------------------------------|---------------|-----------------|---------------------|
| (Column 1) | | (Column 2) | | (Column 3) | | | |
| AMENDMENT | | CLAIMS REMAINING AFTER AMENDMENT | | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE (\$) | ADDITIONAL FEE (\$) |
| | Total (37 CFR 1.16(i)) | • | Minus | ** | = | X \$ = | |
| | Independent (37 CFR 1.16(h)) | • | Minus | *** | = | X \$ = | |
| | <input type="checkbox"/> Application Size Fee (37 CFR 1.16(s)) | | | | | | |
| | <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) | | | | | | |
| | | | | | | TOTAL ADD'L FEE | |

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

LIE
MARY HOLMES

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

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: CHEUNG et al. Attorney Docket No.: IPVMCP02C3

Application No.: 14/922,344 Examiner: DOAN, KIET M

Filed: October 26, 2015 Group: 2641

Title: SYSTEMS AND PROCESSES
TO MANAGE COMMUNICATION

CERTIFICATE OF ELECTRONIC FILING

I hereby certify that this correspondence is being transmitted electronically to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on May 18, 2017.

Signed: _____ /Angela D. Niimi/ Printed Name: _____ Angela D. Niimi

AMENDMENT G

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

Dear Sir:

Please amend the above-identified patent application as follows:

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

Remarks/Arguments are on page 11 of this paper.

Amendments to the Claims:

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

Listing of Claims:

1. (Currently amended) An article for managing communication of a user, in view of a person trying to electronically convey a message to a device of the user without the need to know contact information of the device of the user, the article comprising:

at least one non-transitory computer readable storage medium comprising a plurality of instructions, when executed, result in a computing apparatus:

receiving the message from a device of the person;

identifying an identity of the person trying to electronically convey the message; and

setting a process to permit electronically conveying the messages from the device of the person to the device of the user through requiring the contact information of the device of the user, using one or more rules, wherein the process is configured to electronically convey the message from the device of the person to the device of the user based on at least a current status associated with the user, a preference of the user, and an access priority associated with the person,

wherein the at least one non-transitory computer readable storage medium comprises instructions, when executed, result in determining whether the user is available to receive the message, and

wherein even when the configured process involves transmitting the message to the device of the user ~~through the contact information of the device of the user~~, the contact information of the device of the user is not provided to the device of the person.

2. (Currently amended) An article as recited in claim 1,
wherein the message is conveyed from the device of the person based on Internet protocol,
wherein the configured process allows the user to receive the message via an access identifier of the user,
wherein the configured process allows the message to be conveyed from the device of the person via a set of modes of communication,
wherein the set of modes of communication includes at least instant message and voice call, and
wherein the user has different access identifiers for at least two of the modes in the set of modes.
3. (Cancelled)
4. (Currently amended) An article as recited in claim 1, wherein the configured process includes presenting at the device of the user, the identity of the person.
5. (Currently amended) An article as recited in claim 1 wherein the configured process includes determining a reply to the message in view of the current status of the user.
6. (Currently amended) An article for managing communication via a portal based on world wide web, the article comprising:
at least one non-transitory computer readable storage medium comprising a plurality of instructions, when executed, result in a computing apparatus:
receiving, via the portal, a message with an identifier of a user, from a device of a person trying to electronically deliver and present the message to the user;
identifying the person;
storing an access priority, associated with the person, ~~as~~ identified, in a database associated with the computing apparatus, wherein

information regarding the access priority, associated with the person, is from ~~the device of~~ the user; and

setting a process based on Internet protocol to permit electronically delivering and presenting ~~the messages from the device of the person~~ to the device of the user, via the portal, ~~through~~ with the setting the process requiring contact information ~~of the device of the user, using one or more rules, wherein the process is configured to electronically deliver and present the message from the device of the person to the device of the user~~ based on at least (a) the access priority associated with the person, as retrieved from the database associated with the computing apparatus, and (b) the identifier of the user,

wherein the at least one non-transitory computer readable storage medium comprises instructions, when executed, result in determining availability of the user to receive the message,

wherein even when the process involves delivering and presenting the message to the device of the user ~~through the contact information of the device of the user,~~ the contact information ~~of the device of the user~~ is not provided to the device of the person,

wherein the configured process allows the message to be delivered from the device of the person to the device of the user via a selected mode of communication from a plurality of different modes of communication, all using the identifier of the user, at least in view of the process being based on Internet protocol, and

wherein the plurality of different modes of communication include at least text message and voice call.

7. (Previously presented) An article as recited in claim 6, wherein the message from the device of the person is a text message.

8. (Currently amended) An article as recited in claim 6, wherein the contact information ~~of the device of the user~~ is a phone number of the user.

9. (Currently amended) An article as recited in claim 6, wherein the configured process to electronically deliver and present the message from the device of the person to the device of the user is also based on a previously-established communication preference.

10. (Currently amended) An article as recited in claim 6, wherein the configured process to electronically deliver and present the message from the device of the person to the device of the user is also based on an activity of the user.

11. (Currently amended) An article as recited in claim 6,
wherein the message is received from the device of the person ~~via~~ requiring
a contact information ~~of the device~~ of the person, and
wherein even when the configured process involves delivering and
presenting the message to the device of the user, the contact information ~~of the~~
~~device~~ of the person is not provided to the device of the user.

12. (Previously presented) An article as recited in claim 6, wherein the device of the person is configured to operate at least as a mobile phone.

13. (Currently amended) An article as recited in claim 6, wherein the configured process is also based on a time.

14. (Currently amended) An article as recited in claim 6, wherein the configured process is also based on a period of time.

15. (Currently amended) An article as recited in claim 14, wherein the configured process includes not presenting the message based on the period of time.

16. (Currently amended) An article as recited in claim 6,

wherein the message is received from the device of the person via requiring a contact information ~~of the device~~ of the person,

wherein even when the configured process involves delivering and presenting the received message to the device of the user, the contact information ~~of the device~~ of the person is not provided to the device of the user,

wherein the device of the person is configured to operate at least as a mobile phone, and

wherein the configured process is also based on a period of time.

17. (Currently amended) An article as recited in claim 16, wherein the configured process includes not presenting the message based on the period of time.

18. (Currently amended) A computing apparatus for managing communication via a portal based on world wide web, the computing apparatus comprising:

at least one computing device; and

at least one storage device coupled to the at least one computing device, with the at least one storage device storing instructions that, when executed, cause the computing apparatus to:

receive, via the portal, a message with an identifier of a user, from a device of a person trying to electronically deliver and present the message to the user;

identify the person;

store information[,] regarding whether the person, as identified, is blocked from accessing the user, in a database associated with the computing apparatus, wherein the information, regarding whether the person is blocked from accessing the user, is from ~~the device of~~ the user; and

set a process based on Internet protocol to permit electronically delivering and presenting ~~the received messages from the device of the~~

~~person~~ to the device of the user, via the portal, ~~through~~ with the setting the process requiring contact information ~~of the device~~ of the user, ~~using one or more rules~~, wherein the process is configured to electronically deliver and present the received message from the device of the person to the device of the user based on at least (a) the information[,] regarding whether the person is blocked from accessing the user, as retrieved from the database associated with the computing apparatus, and (b) the identifier of the user, wherein the at least one storage device stores instructions that, when executed, cause the computing apparatus to determine availability of the user to receive the message,

wherein even when the configured process involves delivering and presenting the message to the device of the user ~~through the contact information of the device of the user~~, the contact information ~~of the device~~ of the user is not provided to the device of the person,

wherein the configured process allows the message to be delivered from the device of the person to the device of the user via a selected mode of communication from a plurality of different modes of communication, all using the identifier of the user, at least in view of the process being based on Internet protocol, and

wherein the plurality of different modes of communication include at least text message and voice call.

19. (Currently amended) A computing apparatus as recited in claim 18, wherein the message is received from the device of the person via requiring a contact information ~~of the device~~ of the person,

wherein even when the configured process involves delivering and presenting the received message to the device of the user, the contact information ~~of the device~~ of the person is not provided to the device of the user, and

wherein the device of the person is configured to operate at least as a mobile phone.

20. (Currently amended) A computing apparatus as recited in claim 19, wherein the configured process is also based on a time.

21. (Currently amended) A computing apparatus as recited in claim 19, wherein the configured process is also based on a period of time.

22. (Currently amended) A computing apparatus as recited in claim 21, wherein the configured process includes not presenting the message based on the period of time.

23. (Currently amended) A computing apparatus as recited in claim 18, wherein the contact information of the device of the user includes a phone number of the user.

24. (Currently amended) A computing apparatus as recited in claim 18, wherein the contact information of the device of the user includes an email address of the user.

25. (Currently amended) A computing apparatus for managing communication via a portal based on world wide web, the computing apparatus comprising:

at least one computing device; and

one or more storage devices coupled to the at least one computing device, with the one or more storage devices storing instructions that, when executed, cause the computing apparatus to:

receive, via the portal, a message with an identifier of a user, from a device of a person trying to electronically deliver and present the message to the user;

identify the person;

store information[,] regarding whether the person, as identified, is blocked from accessing the user, in a database associated with the computing apparatus, wherein the information, regarding whether the

person is blocked from accessing the user, is from ~~the device of~~ the user;
and

set a process based on Internet protocol to permit electronically delivering and presenting the received messages from the device of the person to the device of the user, via the portal, ~~through~~ with the setting the process requiring contact information ~~of the device of the user, using one or more rules,~~ wherein the process is configured to electronically deliver and present the received message from the device of the person to the device of the user based on at least (a) the information[,] regarding whether the person is blocked from accessing the user, as retrieved from the database associated with the computing apparatus, and (b) the identifier of the user, wherein the one or more storage devices store instructions that, when executed, cause the computing apparatus to determine availability of the user to receive the message,

wherein even when the configured process involves delivering and presenting the message to the device of the user ~~through the contact information of the device of the user,~~ the contact information ~~of the device of the user~~ of the user is not provided to the device of the person,

wherein the configured process allows the message to be delivered from the device of the person to the device of the user via a selected mode of communication from a plurality of different modes of communication, all using the identifier of the user, at least in view of the process being based on Internet protocol,

wherein the plurality of different modes of communication include at least text message and voice call,

wherein the device of the person is configured to operate at least as a mobile phone, and

wherein the configured process is also based on a time.

26. (Currently amended) A computing apparatus as recited in claim 25, wherein the configured process is also based on a period of time.

27. (Currently amended) A computing apparatus as recited in claim 26, wherein the configured process includes not presenting the message based on the period of time.

28. (Currently amended) A computing apparatus as recited in claim 27, wherein the contact information of the device of the user includes a phone number of the user.

REMARKS

Applicants previously presented claims 1, 2, and 4-28 for examination. By this amendment, Applicants have amended claims 1, 2, 4-6, 8-11, and 13-28 to further clarify the subject matter regarded as the invention. Accordingly, claims 1, 2, and 4-28 remain pending. Reconsideration of the application and an early Notice of Allowance is earnestly solicited.

If there are any issues remaining which the Examiner believes could be resolved through either a Supplemental Response or an Examiner's Amendment, the Examiner is respectfully requested to contact the undersigned representative at the telephone number listed below.

Respectfully submitted,

5150 El Camino Real
Building A, Suite 22
Los Altos, CA 94022
(650) 903-9200 ext 102

By: /Peter P. Tong/
Peter P. Tong
Registration No.: 35,757

Electronic Acknowledgement Receipt

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|---|--|
| EFS ID: | 29245384 |
| Application Number: | 14922344 |
| International Application Number: | |
| Confirmation Number: | 9763 |
| Title of Invention: | SYSTEMS AND PROCESSES TO MANAGE PRIVATE MESSAGES |
| First Named Inventor/Applicant Name: | Kwok Wal Cheung |
| Customer Number: | 34071 |
| Filer: | Peter P. Tong |
| Filer Authorized By: | |
| Attorney Docket Number: | IPVMCP02C3 |
| Receipt Date: | 18-MAY-2017 |
| Filing Date: | 26-OCT-2015 |
| Time Stamp: | 22:42:27 |
| Application Type: | Utility under 35 USC 111(a) |

Payment information:

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|------------------------|----|
| Submitted with Payment | no |
|------------------------|----|

File Listing:

| Document Number | Document Description | File Name | File Size(Bytes)/ Message Digest | Multi Part /.zip | Pages (if appl.) |
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Warnings:

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| 2 | Preliminary Amendment | IPVMCP02C3_AmdG_AsFiled_5-17.pdf | 56271 | no | 11 |
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| Warnings: | | | | | |
| Information: | | | | | |
| Total Files Size (in bytes): | | | | 74910 | |
| <p>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.</p> <p><u>New Applications Under 35 U.S.C. 111</u> 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.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> 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.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> 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.</p> | | | | | |

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Cheung et al.

Attorney Docket No.: IPVMCP02C3

Application No.: 14/922,344

Examiner: DOAN, KIET M.

Filed: October 26, 2015

Group: 2641

Title: SYSTEMS AND PROCESSES TO
MANAGE COMUNICATION

AMENDMENT G TRANSMITTAL

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

Sir:

Transmitted herewith is an Amendment in the above-identified application.

The fee has been calculated as shown below.

| | Claims After Amendment | | Highest Previously Paid For | Present Extra | Small Entity Rate Fee | Large Entity Rate Fee |
|--|------------------------------|-------|-----------------------------------|------------------|--------------------------|--------------------------|
| Total Claims | 27 | MINUS | 27 | 0 | x 40 = | x 80 = |
| Independent Claims | 4 | MINUS | 4 | 0 | x 210 = | x 420 = |
| Multiple Dependent Claim Present and Fee Not Previously Paid | | | | | \$ | \$ |
| Total | | | | | \$0.00 | \$ |

- Applicant(s) hereby petition for a ____- month extension(s) of time to respond to the aforementioned Office Action.
- Applicant(s) believe that no (additional) Extension of Time is required; however, if it is determined that such an extension is required, Applicant(s) hereby petition that such an extension be granted and authorize the Commissioner to charge the required fees for an Extension of Time under 37 CFR 1.136 to Deposit Account No. 50-3874 (Order No. IPVMCP02C3).
- Any fees due are being paid electronically herewith.
- Please charge any additional fees required to facilitate filing the enclosed response, to Deposit Account No. 50-3874 (Order No. IPVMCP02C3).

Respectfully submitted,

/Peter P. Tong/

Peter P. Tong
Reg. No. 35,757

Appln. No. 14/922,344

Atty. Docket No. IPVMCP02C3

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| | | | |
|---|---|----------------------------------|---------------------------------------|
| PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875 | Application or Docket Number 14/922,344 | Filing Date 10/26/2015 | <input type="checkbox"/> To be Mailed |
|---|---|----------------------------------|---------------------------------------|

ENTITY: LARGE SMALL MICRO

APPLICATION AS FILED – PART I

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

APPLICATION AS AMENDED – PART II

| | (Column 1) | (Column 2) | (Column 3) | PRESENT EXTRA | RATE (\$) | ADDITIONAL FEE (\$) |
|-----------|--|----------------------------------|------------------------------------|---------------|-----------------|---------------------|
| AMENDMENT | 05/18/2017 | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | | | |
| | Total (37 CFR 1.16(i)) | - 27 | Minus | ** 27 | = | X \$ = |
| | Independent (37 CFR 1.16(h)) | - 4 | Minus | ***4 | = | X \$ = |
| | <input type="checkbox"/> Application Size Fee (37 CFR 1.16(s)) | | | | | |
| | <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) | | | | | |
| | | | | | TOTAL ADD'L FEE | |

| | (Column 1) | (Column 2) | (Column 3) | PRESENT EXTRA | RATE (\$) | ADDITIONAL FEE (\$) |
|-----------|--|----------------------------------|------------------------------------|---------------|-----------------|---------------------|
| AMENDMENT | | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | | | |
| | Total (37 CFR 1.16(i)) | * | Minus | ** | = | X \$ = |
| | Independent (37 CFR 1.16(h)) | * | Minus | *** | = | X \$ = |
| | <input type="checkbox"/> Application Size Fee (37 CFR 1.16(s)) | | | | | |
| | <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) | | | | | |
| | | | | | TOTAL ADD'L FEE | |

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

LIE
KATRINA TURNER

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

Amendments to the Claims:

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

Listing of Claims:

1. (Currently amended) An article for managing communication of a user, in view of a person trying to electronically convey a message to a device of the user without the need to know contact information of the device of the user, the article comprising:

~~at least one a~~ non-transitory computer readable storage medium comprising a plurality of instructions, when executed by a server, result in the server a computing apparatus:

receiving the message from a device of the person;

identifying an identity of the person trying to electronically convey the message; and

setting a process to ~~permit electronically conveying messages to the device of the user requiring the contact information of the user, using one or more rules, wherein the process is configured to~~ electronically convey the message from the device of the person to the device of the user through the contact information of the device of the user, using one or more rules, based on at least a current status associated with the user, a preference of the user, and an access priority associated with the person,

wherein the at least one non-transitory computer readable storage medium comprises instructions, when executed, result in determining whether the user is available to receive the message, and sending information to the device of the person as to the availability of the user to receive the message, and

wherein even when the ~~configured~~ process involves transmitting the message to the device of the user through the contact information of the device of the user, the contact information of the device of the user is not provided to the device of the person to prevent the person from contacting the device of the user using the contact information, without via the server.

2. (Currently amended) An article as recited in claim 1,
wherein the message is conveyed from the device of the person based on Internet protocol,
wherein the ~~configured~~ process allows the user to receive the message via an access identifier of the user,
wherein the ~~configured~~ process allows the message to be conveyed from the device of the person via a set of modes of communication,
wherein the set of modes of communication includes at least instant message and voice call, and
wherein the user has different access identifiers for at least two of the modes in the set of modes.
3. (Cancelled)
4. (Currently amended) An article as recited in claim 1, wherein the ~~configured~~ process includes presenting at the device of the user, the identity of the person.
5. (Currently amended) An article as recited in claim 1 wherein the ~~configured~~ process includes determining a reply to the message in view of the current status of the user.
6. (Currently amended) An article for managing communication via a portal based on world wide web, the article comprising:
~~at least one~~ a non-transitory computer readable storage medium comprising a plurality of instructions, when executed by a server, result in the server a ~~computing apparatus~~:
receiving, via the portal, a message with an identifier of a user, from a device of a person trying to electronically deliver and present the message to the user;
identifying the person[:]; wherein ~~storing~~ an access priority, associated with the person, as identified, previously being stored in a

database associated with the server computing apparatus, and wherein information regarding the access priority, associated with the person, is from the device of the user; and

setting a process based on Internet protocol to ~~permit electronically delivering and presenting the messages to the device of the user, via the portal, with the setting the process requiring contact information of the user, wherein the process is configured to electronically deliver and present the message from the device of the person to the device of the user, via the portal, through contact information of the device of the user, using one or more rules,~~ based on at least (a) the access priority associated with the person, ~~as retrieved from the database associated with the server computing apparatus, and (b) the identifier of the user,~~

wherein the at least one non-transitory computer readable storage medium comprises instructions, when executed, result in determining availability of the user to receive the message, and sending to the device of the person, information regarding the availability of the user to receive the message,

wherein even when the process involves delivering and presenting the message to the device of the user through the contact information of the device of the user, the contact information of the device of the user is not provided to the device of the person,

wherein the ~~configured~~ process allows the message to be delivered from the device of the person to the device of the user via a selected mode of communication from a plurality of different modes of communication, all using the identifier of the user, at least in view of the process being based on Internet protocol, and

wherein the plurality of different modes of communication include at least text message and voice call.

7. (Previously presented) An article as recited in claim 6, wherein the message from the device of the person is a text message.

8. (Currently amended) An article as recited in claim 6, wherein the contact information of the device of the user is a phone number of the user.

9. (Currently amended) An article as recited in claim 6, wherein the ~~configured~~ process to electronically deliver and present the message from the device of the person to the device of the user is also based on a previously-established communication preference.

10. (Currently amended) An article as recited in claim 6, wherein the ~~configured~~ process to electronically deliver and present the message from the device of the person to the device of the user is also based on an activity of the user.

11. (Currently amended) An article as recited in claim 6,
wherein the message is received from the device of the person via requiring
a contact information of the device of the person, and
wherein even when the ~~configured~~ process involves delivering and presenting the message to the device of the user, the contact information of the device of the person is not provided to the device of the user.

12. (Previously presented) An article as recited in claim 6, wherein the device of the person is configured to operate at least as a mobile phone.

13. (Currently amended) An article as recited in claim 6, wherein the ~~configured~~ process is also based on a time.

14. (Currently amended) An article as recited in claim 6, wherein the ~~configured~~ process is also based on a period of time.

15. (Currently amended) An article as recited in claim 14, wherein the ~~configured~~ process includes not presenting the message based on the period of time.

16. (Currently amended) An article as recited in claim 6,
 wherein the message is received from the device of the person ~~via requiring~~
 a contact information of the device of the person,
 wherein even when the ~~configured~~ process involves delivering and
 presenting the received message to the device of the user, the contact information
 of the device of the person is not provided to the device of the user,
 wherein the device of the person is configured to operate at least as a
 mobile phone, and
 wherein the ~~configured~~ process is also based on a period of time.

17. (Currently amended) An article as recited in claim 16, wherein the
~~configured~~ process includes not presenting the message based on the period of
 time.

18. (Currently amended) A server ~~computing apparatus~~ for managing
 communication via a portal based on world wide web, the server ~~computing~~
~~apparatus~~ comprising:

at least one computing device; and

at least one storage device ~~coupled to the at least one computing device,~~
~~with the at least one storage device~~ storing instructions that, when executed by the
at least one computing device, cause the at least one ~~the~~ computing device
~~apparatus~~ to:

receive, via the portal, a message with an identifier of a user, from a
 device of a person trying to electronically deliver and present the message
 to the user;

identify the person, ~~;~~ wherein ~~store~~ information ~~[,]~~ regarding whether
 the person, as identified, is blocked from accessing the user, previously
being stored in a database associated with the server ~~computing apparatus~~,
and wherein the information, regarding whether the person is blocked from
 accessing the user, is from the device of the user; and

set a process based on Internet protocol to ~~permit electronically delivering and presenting messages to the device of the user, via the portal, with the setting the process requiring contact information of the user, wherein the process is configured to~~ electronically deliver and present the received message from the device of the person to the device of the user, via the portal, through contact information of the device of the user, using one or more rules, based on at least (a) the information regarding whether the person is blocked from accessing the user, ~~as retrieved from the database associated with the server computing apparatus, and (b) the identifier of the user,~~

wherein the at least one storage device stores instructions that, when executed by the at least one computing device, cause the at least one computing device apparatus to determine availability of the user to receive the message, and to send to the device of the person, information regarding the availability of the user to receive the message,

wherein even when the ~~configured~~ process involves delivering and presenting the message to the device of the user through the contact information of the device of the user, the contact information of the device of the user is not provided to the device of the person,

wherein the ~~configured~~ process allows the message to be delivered from the device of the person to the device of the user via a selected mode of communication from a plurality of different modes of communication, all using the identifier of the user, at least in view of the process being based on Internet protocol, and

wherein the plurality of different modes of communication include at least text message and voice call.

19. (Currently amended) A ~~computing apparatus server~~ as recited in claim 18,

wherein the message is received from the device of the person via requiring a contact information of the device of the person,

wherein even when the ~~configured~~ process involves delivering and presenting the received message to the device of the user, the contact information of the device of the person is not provided to the device of the user, and

wherein the device of the person is configured to operate at least as a mobile phone.

20. (Currently amended) A ~~computing apparatus~~ server as recited in claim 19, wherein the ~~configured~~ process is also based on a time.

21. (Currently amended) A ~~computing apparatus~~ server as recited in claim 19, wherein the ~~configured~~ process is also based on a period of time.

22. (Currently amended) A ~~computing apparatus~~ server as recited in claim 21, wherein the ~~configured~~ process includes not presenting the message based on the period of time.

23. (Currently amended) A ~~computing apparatus~~ server as recited in claim 18, wherein the contact information of the device of the user includes a phone number of the user.

24. (Currently amended) A ~~computing apparatus~~ server as recited in claim 18, wherein the contact information of the device of the user includes an email address of the user.

25. (Currently amended) A computing apparatus for managing communication via a portal based on world wide web, the computing apparatus comprising:

at least one computing device; and

one or more storage devices coupled to the at least one computing device, with the one or more storage devices storing instructions that, when executed, cause the computing apparatus to:

receive, via the portal, a message with an identifier of a user, from a device of a person trying to electronically deliver and present the message to the user;

identify the person₁[,] wherein store information[,] regarding whether the person, as identified, is blocked from accessing the user, previously being stored in a database associated with the computing apparatus, and wherein the information, regarding whether the person is blocked from accessing the user, is from the device of the user; and

~~set a process based on Internet protocol to permit electronically delivering and presenting messages to the device of the user, via the portal, with the setting the process requiring contact information of the user, wherein the process is configured to electronically deliver and present the received message from the device of the person to the device of the user, via the portal, through contact information of the device of the user, using one or more rules,~~ based on at least (a) the information₁ regarding whether the person is blocked from accessing the user, ~~as~~ retrieved from the database associated with the computing apparatus, ~~and (b) the identifier of the user,~~

wherein the one or more storage devices store instructions that, when executed, cause the computing apparatus to determine availability of the user to receive the message,

wherein even when the ~~configured~~ process involves delivering and presenting the message to the device of the user through the contact information of the device of the user, the contact information of the device of the user is not provided to the device of the person,

wherein the ~~configured~~ process allows the message to be delivered from the device of the person to the device of the user via a selected mode of communication from a plurality of different modes of communication, all using the identifier of the user, at least in view of the process being based on Internet protocol,

wherein the plurality of different modes of communication include at least text message and voice call,

wherein the device of the person is configured to operate at least as a mobile phone, and

wherein the ~~configured~~ process is also based on a time.

26. (Currently amended) A computing apparatus as recited in claim 25, wherein the ~~configured~~ process is also based on a period of time.

27. (Currently amended) A computing apparatus as recited in claim 26, wherein the ~~configured~~ process includes not presenting the message based on the period of time.

28. (Currently amended) A computing apparatus as recited in claim 27, wherein the contact information of the device of the user includes a phone number of the user.

REMARKS

Applicants previously presented claims 1, 2, and 4-28 for examination. By this amendment, Applicants have amended claims 1, 2, 4-6, 8-11, and 13-28 to further clarify the subject matter regarded as the invention. Accordingly, claims 1, 2, and 4-28 remain pending. Reconsideration of the application and an early Notice of Allowance is earnestly solicited.

If there are any issues remaining which the Examiner believes could be resolved through either a Supplemental Response or an Examiner's Amendment, the Examiner is respectfully requested to contact the undersigned representative at the telephone number listed below.

Respectfully submitted,

5150 El Camino Real
Building A, Suite 22
Los Altos, CA 94022
(650) 903-9200 ext 102

By: /Peter P. Tong/
Peter P. Tong
Registration No.: 35,757

Electronic Acknowledgement Receipt

| | |
|---|--|
| EFS ID: | 29522309 |
| Application Number: | 14922344 |
| International Application Number: | |
| Confirmation Number: | 9763 |
| Title of Invention: | SYSTEMS AND PROCESSES TO MANAGE PRIVATE MESSAGES |
| First Named Inventor/Applicant Name: | Kwok Wal Cheung |
| Customer Number: | 34071 |
| Filer: | Peter P. Tong |
| Filer Authorized By: | |
| Attorney Docket Number: | IPVMCP02C3 |
| Receipt Date: | 16-JUN-2017 |
| Filing Date: | 26-OCT-2015 |
| Time Stamp: | 19:32:55 |
| Application Type: | Utility under 35 USC 111(a) |

Payment information:

| | |
|------------------------|----|
| Submitted with Payment | no |
|------------------------|----|

File Listing:

| Document Number | Document Description | File Name | File Size(Bytes)/ Message Digest | Multi Part /.zip | Pages (if appl.) |
|-----------------|-------------------------------|-------------------------------|--|------------------|------------------|
| 1 | Miscellaneous Incoming Letter | IPCMCP02C3_AmdHTrans_6-17.pdf | 18523 <small>5b1a70699e9f26f2e02a1b99b530262a34f0512c</small> | no | 1 |

Warnings:

| | | | | | |
|---|-----------------------|--------------------------|-------|-------|----|
| Information: | | | | | |
| 2 | Preliminary Amendment | IPVMCP02C3_AmdH_6-17.pdf | 58030 | no | 11 |
| <small>81b01d78192cc0b20e146c32d37d6e190163a0f9</small> | | | | | |
| Warnings: | | | | | |
| Information: | | | | | |
| Total Files Size (in bytes): | | | | 76553 | |
| <p>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.</p> <p><u>New Applications Under 35 U.S.C. 111</u> 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.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> 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.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> 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.</p> | | | | | |

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Cheung et al.

Attorney Docket No.: IPVMCP02C3

Application No.: 14/922,344

Examiner: DOAN, KIET M.

Filed: October 26, 2015

Group: 2641

Title: SYSTEMS AND PROCESSES TO
MANAGE COMUNICATION

AMENDMENT H TRANSMITTAL

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

Sir:

Transmitted herewith is an Amendment in the above-identified application.

The fee has been calculated as shown below.

| | Claims After Amendment | | Highest Previously Paid For | Present Extra | Small Entity Rate Fee | Large Entity Rate Fee |
|--|------------------------------|-------|-----------------------------------|------------------|--------------------------|--------------------------|
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| Independent Claims | 4 | MINUS | 4 | 0 | x 210 = | x 420 = |
| Multiple Dependent Claim Present and Fee Not Previously Paid | | | | | \$ | \$ |
| Total | | | | | \$0.00 | \$ |

- Applicant(s) hereby petition for a ____- month extension(s) of time to respond to the aforementioned Office Action.
- Applicant(s) believe that no (additional) Extension of Time is required; however, if it is determined that such an extension is required, Applicant(s) hereby petition that such an extension be granted and authorize the Commissioner to charge the required fees for an Extension of Time under 37 CFR 1.136 to Deposit Account No. 50-3874 (Order No. IPVMCP02C3).
- Any fees due are being paid electronically herewith.
- Please charge any additional fees required to facilitate filing the enclosed response, to Deposit Account No. 50-3874 (Order No. IPVMCP02C3).

Respectfully submitted,

/Peter P. Tong/

Peter P. Tong
Reg. No. 35,757

Appln. No. 14/922,344

Atty. Docket No. IPVMCP02C3

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| | | | | | |
|---|---|--------------|---|----------------------------------|---------------------------------------|
| PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875 | | | Application or Docket Number 14/922,344 | Filing Date 10/26/2015 | <input type="checkbox"/> To be Mailed |
| ENTITY: <input type="checkbox"/> LARGE <input checked="" type="checkbox"/> SMALL <input type="checkbox"/> MICRO | | | | | |
| APPLICATION AS FILED – PART I | | | | | |
| (Column 1) | | (Column 2) | | | |
| FOR | NUMBER FILED | NUMBER EXTRA | RATE (\$) | FEE (\$) | |
| <input type="checkbox"/> BASIC FEE (37 CFR 1.16(a), (b), or (c)) | N/A | N/A | N/A | | |
| <input type="checkbox"/> SEARCH FEE (37 CFR 1.16(k), (l), or (m)) | N/A | N/A | N/A | | |
| <input type="checkbox"/> EXAMINATION FEE (37 CFR 1.16(o), (p), or (q)) | N/A | N/A | N/A | | |
| TOTAL CLAIMS (37 CFR 1.16(i)) | minus 20 = | * | X \$ = | | |
| INDEPENDENT CLAIMS (37 CFR 1.16(h)) | minus 3 = | * | X \$ = | | |
| <input type="checkbox"/> APPLICATION SIZE FEE (37 CFR 1.16(s)) | If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). | | | | |
| <input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j)) | | | | | |
| * If the difference in column 1 is less than zero, enter "0" in column 2. | | | TOTAL | | |

| | | | | | | | |
|---|--|----------------------------------|-------|------------------------------------|---------------|-----------------|---------------------|
| APPLICATION AS AMENDED – PART II | | | | | | | |
| (Column 1) | | (Column 2) | | (Column 3) | | | |
| AMENDMENT | 06/16/2017 | CLAIMS REMAINING AFTER AMENDMENT | | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE (\$) | ADDITIONAL FEE (\$) |
| | Total (37 CFR 1.16(i)) | - 27 | Minus | ** 27 | = 0 | X \$40 = | 0 |
| | Independent (37 CFR 1.16(h)) | - 4 | Minus | *** 4 | = 0 | X \$210 = | 0 |
| | <input type="checkbox"/> Application Size Fee (37 CFR 1.16(s)) | | | | | | |
| | <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) | | | | | | |
| | | | | | | TOTAL ADD'L FEE | 0 |

| | | | | | | | |
|---|--|----------------------------------|-------|------------------------------------|---------------|------------------------|---------------------|
| (Column 1) | | (Column 2) | | (Column 3) | | | |
| AMENDMENT | | CLAIMS REMAINING AFTER AMENDMENT | | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE (\$) | ADDITIONAL FEE (\$) |
| | Total (37 CFR 1.16(i)) | - | Minus | ** | = | X \$ = | |
| | Independent (37 CFR 1.16(h)) | - | Minus | *** | = | X \$ = | |
| | <input type="checkbox"/> Application Size Fee (37 CFR 1.16(s)) | | | | | | |
| | <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) | | | | | | |
| | | | | | | TOTAL ADD'L FEE | |
| * If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1. | | | | | | SLIE SONYA HILLIARD | |

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

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



UNITED STATES PATENT AND TRADEMARK OFFICE

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

NOTICE OF ALLOWANCE AND FEE(S) DUE

34071 7590 06/22/2017
IPVENTURE, INC.
5150 EL CAMINO REAL
SUITE A-22
LOS ALTOS, CA 94022

EXAMINER
DOAN, KIET M

ART UNIT PAPER NUMBER
2641

DATE MAILED: 06/22/2017

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
14/922,344 10/26/2015 Kwok Wai Cheung IPVMCP02C3 9763
TITLE OF INVENTION: SYSTEMS AND PROCESSES TO MANAGE COMMUNICATION

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 SMALL \$480 \$0 \$480 \$480 09/22/2017

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.

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

34071 7590 06/22/2017
IPVENTURE, INC.
5150 EL CAMINO REAL
SUITE A-22
LOS ALTOS, CA 94022

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

Certificate of Mailing or Transmission

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

| |
|-----------------------------|
| _____ (Depositor's name) |
| _____ (Signature) |
| _____ (Date) |

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 14/922,344 | 10/26/2015 | Kwok Wai Cheung | IPVMCP02C3 | 9763 |

TITLE OF INVENTION: SYSTEMS AND PROCESSES TO MANAGE COMMUNICATION

| APPLN. TYPE | ENTITY STATUS | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|---------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | SMALL | \$480 | \$0 | \$480 | \$480 | 09/22/2017 |

| EXAMINER | ART UNIT | CLASS-SUBCLASS |
|--------------|----------|----------------|
| DOAN, KIET M | 2641 | 455-412100 |

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

- Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

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

- Issue Fee
- Publication Fee (No small entity discount permitted)
- Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- A check is enclosed.
- Payment by credit card. Form PTO-2038 is attached.
- The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

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

- Applicant certifying micro entity status. See 37 CFR 1.29
- 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. _____



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
14/922,344 10/26/2015 Kwok Wai Cheung IPVMCP02C3 9763

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EXAMINER

DOAN, KIET M

ART UNIT PAPER NUMBER

2641

DATE MAILED: 06/22/2017

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. 14/922,344 | Applicant(s) CHEUNG ET AL. | |
| | Examiner KIET DOAN | Art Unit 2641 | 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 06/16/2017.
 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 1,2 and 4-28. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

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

* Certified copies not received: _____.

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

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

Attachment(s)

- | | |
|--|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Examiner's Amendment/Comment |
| 2. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____ | 6. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| 3. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 7. <input type="checkbox"/> Other _____ |
| 4. <input type="checkbox"/> Interview Summary (PTO-413), Paper No./Mail Date _____ | |

/KIET DOAN/
Primary Examiner, Art Unit 2641

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

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 04/06/2017 has been entered.

Information Disclosure Statement

The information disclosure statement (IDS) submitted on 04/28/2017 and 04/06/2017 and . The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Allowable Subject Matter

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

Claims 1, 2 and 4-28 are allowance, based on reviewing Information Disclosure Statement (IDS) and the combination of Jackson et al. (US 8,391,459 B2) in view of Mason et al. (US 2006/0075038 A1) that does not teach or fairly suggest claims limitation filed on 06/16/2017.

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

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KIET DOAN whose telephone number is (571)272-7863. The examiner can normally be reached on 9-5.

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

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Appiah can be reached on 571-272-7904. 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.

/KIET DOAN/
Primary Examiner, Art Unit 2641

| | | | |
|-----------------------------------|---------------------------------------|---|-------------|
| Notice of References Cited | Application/Control No. 14/922,344 | Applicant(s)/Patent Under Reexamination CHEUNG ET AL. | |
| | Examiner KIET DOAN | Art Unit 2641 | Page 1 of 1 |

U.S. PATENT DOCUMENTS

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Name | CPC Classification | US Classification |
|---|---|--|-----------------|-------------------|--------------------|-------------------|
| * | A | US-8,391,459 B2 | 03-2013 | Jackson; James | G06Q10/109 | 379/210.01 |
| * | B | US-2010/0114958 A1 | 05-2010 | Korenshtein; Roni | G06Q10/10 | 707/781 |
| * | C | US-2006/0075038 A1 | 04-2006 | Mason; Andrew | G06Q10/107 | 709/206 |
| | D | US- | | | | |
| | E | US- | | | | |
| | F | US- | | | | |
| | G | US- | | | | |
| | H | US- | | | | |
| | I | US- | | | | |
| | J | US- | | | | |
| | K | US- | | | | |
| | L | US- | | | | |
| | M | US- | | | | |

FOREIGN PATENT DOCUMENTS

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

| | | |
|--|------------------|------------------|
| Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary) | Atty. Docket No. | IPVMCP02C3 |
| | Application No.: | 14/922,344 |
| | Applicant | CHEUNG et al. |
| | Filing Date | October 26, 2015 |
| | Group | 2641 |
| | | Page 1 of 1 |

U.S. Patent Documents

| Examiner Initial | No. | Patent No. | Date | Patentee | Class | Sub-class | Filing Date |
|------------------|-----|------------|------|----------|-------|-----------|-------------|
| | 1. | | | | | | |
| | 2. | | | | | | |

Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)

| | |
|---|---|
| A | Notice of Allowance for U.S. Patent Application No. 11/006,343 dated June 6, 2006. |
| B | Office Action for U.S. Patent Application No. 11/497,651 dated May 14, 2007. |
| C | Office Action for U.S. Patent Application No. 11/497,651 dated October 9, 2007. |
| D | Notice of Allowance for U.S. Patent Application No. 11/497,651 dated Nov. 27, 2007. |
| E | Office Action for U.S. Patent Application No. 12/074,961, dated February 22, 2010. |
| F | Office Action for U.S. Patent Application No. 12/074,961, dated August 27, 2010. |
| G | Notice of Allowance for U.S. Patent Application No. 12/074,961, dated October 15, 2010. |
| H | Office Action for U. S. Patent Application No. 12/987,018, dated March 28, 2011. |
| I | Notice of Allowance for U. S. Patent Application No. 12/987,018, dated August 22, 2011. |
| J | Notice of Allowance for U.S. Patent Application No. 12/987,018, dated November 2, 2011. |
| K | Notice of Allowance for U.S. Patent Application No. 13/363,360, dated March 27, 2012. |
| L | Notice of Allowance for U.S. Patent Application No. 13/363,360, dated July 9, 2012. |
| M | Office Action for U.S. Patent Application No. 13/593,483, dated December 7, 2012. |
| N | Notice of Allowance for U.S. Patent Application No. 13/593,483, dated September 12, 2013. |
| O | Notice of Allowance for U.S. Patent Application No. 13/593,483, dated January 23, 2014. |
| P | Office Action for U.S. Patent Application No. 14/286,976, dated July 1, 2014. |
| Q | Office Action for U.S Patent Application No. 14/286,976, dated November 19, 2014. |
| R | Advisory Action for U.S. Patent Application No. 14/286,976, dated April 23, 2015. |
| S | Office Action for U.S. Patent Application No. 14/286,976, dated June 18, 2015. |
| T | Office Action for U.S. patent Application No. 14/286,976, dated April 19, 2016. |
| U | Office Action for U.S. Patent Application No. 14/286,976, dated December 13, 2016. |

| | | | |
|----------|---------------|-----------------|------------|
| Examiner | /KIET M DOAN/ | Date Considered | 06/19/2017 |
|----------|---------------|-----------------|------------|

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.M.D/

| | | |
|--|------------------|------------------|
| Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary) | Atty. Docket No. | IPVMCP02C3 |
| | Application No.: | 14/922,344 |
| | Applicant | CHEUNG et al. |
| | Filing Date | October 26, 2015 |
| | Group | 2641 |
| | | Page 1 of 1 |

U.S. Patent Documents

| Examiner Initial | No. | Patent No. | Date | Patentee | Class | Sub-class | Filing Date |
|---|-----|--|------|----------|-------|-----------|-------------|
| | 1. | | | | | | |
| | 2. | | | | | | |
| Other Documents (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
| | A | Office Action for U.S. Patent Application No. 12/798,995, dated April 11, 2011. | | | | | |
| | B | Notice of Allowance for U.S. Patent Application No. 12,798,995, dated May 9, 2012. | | | | | |
| | C | Notice of Allowance for U.S. Patent Application No. 12/798,995, dated July 16, 2013. | | | | | |
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| Examiner <p style="text-align: center;">/KIET M DOAN/</p> | Date Considered <p style="text-align: center;">06/19/2017</p> |
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Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.M.D/

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L1 | 1 | schedul\$3 with (text message\$1) and schedul\$3 with available with receiv\$3 with (text message\$1) and (id identif\$3) near6 (caller\$1 (person near call\$3)) and (server (base near station) pbx) with stor\$3 with (message\$1 text (contact\$1 near number\$1)).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2017/06/19 21:31 |
| L2 | 10 | ("20020016729" "20020154752" "20040218734" "20060047557" "20060075038" "20060147017" "20060245558" "20060291630" "20070025530" "20100114958").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2017/06/19 21:37 |
| L3 | 1 | 1 AND ((G06Q10/109 OR G06Q10/1095 OR H04L65/1016 OR H04L65/1069 OR H04L65/40 OR H04L67/24 OR H04M2203/2072 OR H04M3/42 OR H04M3/42059 OR H04M3/42365 OR H04M3/48 OR H04M3/53308 OR H04M3/54).CPC.) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2017/06/19 21:42 |
| L4 | 6 | schedul\$3 with (text message\$1) and schedul\$3 with available with receiv\$3 with (text message\$1) and (id identif\$3) near6 (caller\$1 (person near call\$3)) and (server (base near station) pbx) with stor\$3 with (message\$1 text (contact\$1 near number\$1)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2017/06/19 21:53 |
| S1 | 2 | "7729688".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 00:48 |
| S2 | 40 | ("20020067806" "20020094067" "20030041048" "20030103600" "20030129968" "20030232629" "20040024882" "20040122979" "20050037785" "20050071253" "20050191994" "20050192061" "20050273327" "20060288099" "20070047522" "5548636" "5758079" "5786893" "5828731" "5930700" "5970388" "6119022" "6463462" "6577859" "6636888" "6665534" "6801793" "6816578" "6819757" "6978136" "7010288" "7010332" "7027842" "7043261" "7072452" "7085253" "7107010" "7111044" "7116976" "7376434" "8816578").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/09/20 11:36 |
| S3 | 0 | (server (base near station) computer) with access with priority same (boss wife friend\$1 love\$2 family) and (server (base near station) computer) with (trasmit\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; | OR | OFF | 2011/09/20 12:03 |

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|-----|-----|---|---|----|-----|------------------|
| | | send\$3 forward\$4) with (message\$1 text voice) and (id identif\$4) near1 caller | DERWENT | | | |
| S4 | 32 | (server (base near station) computer) with access with priorit\$3 and (server (base near station) computer) with (trasmit\$4 send\$3 forward\$4) with (message\$1 text voice) and (id identif\$4) near1 caller | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 12:03 |
| S5 | 0 | (server (base near station) computer) with access near2 priorit\$3 and (server (base near station) computer) with (id identif\$4 verif\$3) near1 caller and (wife (girl near friend\$1) wife love\$2 boss) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 12:10 |
| S6 | 1 | (server (base near station) computer) with access near2 priorit\$3 and (server (base near station) computer) near2 (id identif\$4 verif\$3) and (wife (girl near friend\$1) wife love\$2 boss) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 12:10 |
| S7 | 367 | (server (base near station) computer) with access near2 priorit\$3 and (server (base near station) computer) with (id identif\$4 verif\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 12:11 |
| S8 | 9 | S7 and (server (base near station) computer) with (block\$4 stop\$3 inhibit) with (information data location position) and restrict\$3 with access\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 12:13 |
| S9 | 191 | S7 and (block\$4 stop\$3 inhibit restrict\$3) with access\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 12:19 |
| S10 | 725 | (server (base near station) computer) with access\$3 with priorit\$3 and (wife (girl near friend\$1) wife love\$2 boss client\$1 family friend\$1) and restrict\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 12:29 |
| S11 | 141 | (server (base near station) computer) with access\$3 with priorit\$3 and (wife (girl near friend\$1) love\$2 boss client\$1 family friend\$1) and restrict\$3 and (inhibi\$4 (not\$3 near\$1 allow\$3) stop\$3) with (transmit\$3 send\$3 forward\$3) with message\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 12:32 |
| S12 | 5 | ("20010009858" "20010051514" "20020101979" "5862485" "6208728").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/09/20 12:48 |
| S13 | 1 | "7039176".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/09/20 12:51 |
| S14 | 13 | ("20010011228" "5479487" "5822306" "5903641" "5982873" "6046762" "6163607" "6173053" "6230197" "6233332" "6263066" "6487291" "6570980").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/09/20 12:51 |
| S15 | 419 | (server (base near station) computer) with access\$3 with priorit\$3 and (wife (girl near friend\$1) love\$2 boss client\$1 family friend\$1) and (restrict\$3 inhibi\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; | OR | OFF | 2011/09/20 12:54 |

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|-----|------|--|--|----|-----|------------------|
| | | (not\$3 near\$1 allow\$3) stop\$3) with message\$1 | DERWENT | | | |
| S16 | 35 | (server (base near station) computer) with access\$3 with priorit\$3 and (wife (girl near friend\$1) love\$2 boss client\$1 family friend\$1) and (restrict\$3 inhibi\$4 (not\$3 near\$1 allow\$3) stop\$3) with message\$1.cfm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 12:55 |
| S17 | 11 | (server (base near station) computer) with access\$3 with priorit\$3 and (wife (girl near friend\$1) love\$2 boss family friend\$1) and (restrict\$3 inhibi\$4 (not\$3 near\$1 allow\$3) stop\$3) with message\$1.cfm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 12:57 |
| S18 | 130 | (server (base near station) computer) with access\$3 with priorit\$3 and (wife (girl near friend\$1) love\$2 boss family friend\$1) and (restrict\$3 inhibi\$4 (not\$3 near\$1 allow\$3) stop\$3) with message\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 12:57 |
| S19 | 382 | (server (base near station) computer) with access\$3 with priorit\$3 and (wife (girl near friend\$1) love\$2 boss family friend\$1) and (restrict\$3 inhibi\$4 (not\$3 near\$1 allow\$3) stop\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 13:04 |
| S20 | 8034 | 455/415,411,412.1,412.2,435.3,527.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 13:04 |
| S21 | 10 | S19 and S20 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/20 13:04 |
| S22 | 5 | ("20010051915" "20040073814" "20040260709" "20040264697" "5634197").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/09/20 13:05 |
| S23 | 1 | 12/798995 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2011/09/27 11:09 |
| S24 | 4 | "729688".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2011/09/27 11:11 |
| S25 | 2 | "7729688".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2011/09/27 11:11 |
| S26 | 0 | "1020050102726" | US-PGPUB; | OR | OFF | 2011/09/27 |

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| | | | USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | | | 13:11 |
| S27 | 2 | "20050102726" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2011/09/27 13:12 |
| S28 | 2 | "6819757".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2011/09/27 13:41 |
| S29 | 6 | ("20020165784" "20030033356" "6459788" "6473505" "6570963" "6690664").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/09/27 16:17 |
| S30 | 8 | ("5206903" "5504739" "5592541" "5628025" "5675635" "5828740" "5870552" "6262976").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/09/27 16:20 |
| S31 | 1214 | (server (base near station) computer) with (control\$3 restrict\$3 block\$3) with (mobile wireless handheld portable pda) and access\$3 near\$3 priorit\$3 and (restrict\$4 (call near block\$3) block\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/27 16:23 |
| S32 | 285 | (server (base near station) computer) with (control\$3 restrict\$3 block\$3) with (mobile wireless handheld portable pda) near\$3 access\$3 and access\$3 near\$3 priorit\$3 and (restrict\$4 (call near block\$3) block\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/27 16:24 |
| S33 | 21 | (server (base near station) computer) with (control\$3 restrict\$3 block\$3) with (mobile wireless handheld portable pda) near\$3 access\$3 and access\$3 near\$3 priorit\$3 and (restrict\$4 (call near block\$3) block\$3).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/27 16:24 |
| S34 | 7 | ("5432780" "5513210" "5729542" "5737691" "5794156" "5862452" "6208865").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/09/27 16:27 |
| S35 | 171 | (server (base near station) computer) with (control\$3 restrict\$3 block\$3) with (mobile wireless handheld portable pda) near\$3 access\$3 and access\$3 near\$3 priorit\$3 and (restrict\$4 (call near block\$3) block\$3) and set\$4 near\$4 (status location position tim\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/09/27 16:29 |
| S36 | 2 | "20020142756" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 12:04 |
| S37 | 2 | "20050027385" | US-PGPUB; USPAT; | OR | OFF | 2011/12/28 12:05 |

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| | | | USOCR; EPO; JPO; DERWENT | | | |
| S38 | 2 | "20060239419" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 12:06 |
| S39 | 0 | server with stor\$4 with message\$1 and server near3 (id identif\$3) near2 caller and access near2 priority | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 12:08 |
| S40 | 0 | server with stor\$4 with message\$1 and server with (id identif\$3) near2 caller and access near2 priority | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 12:10 |
| S41 | 79 | server with stor\$4 with message\$1 and server with (id identif\$3) and access near2 priority | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 12:10 |
| S42 | 0 | server with stor\$4 with (message\$1 (voice near mail)) and server with access near2 priority and (id identif\$3) near2 caller and "455"/\$.cls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 12:22 |
| S43 | 16 | server with stor\$4 with (message\$1 (voice near mail)) and access near2 priority and (id identif\$3) and "455"/\$.cls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 15:32 |
| S44 | 28 | ("4955083" "5365512" "5387905" "5392278" "5450405" "5479477" "5491835" "5511232" "5524273" "5530914" "5530915" "5530916" "5530918" "5535426" "5537684" "5542108" "5555447" "5564071" "5694393" "5717830" "5850611" "5884196" "5901142" "5912882" "5914958" "5983114" "6016512" "6229802").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/12/28 15:36 |
| S45 | 44 | (server portal) with control\$4 with (message\$1 information (voice near mail)) and access near2 priority and (server portal) with (id identif\$3).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 15:41 |
| S46 | 150 | (server portal) with control\$4 with (call\$3 message\$1 information (voice near mail)) and (mobile wireless \$4phone) with access near2 priority and (server portal) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 15:52 |
| S47 | 2 | "6768789".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 16:24 |
| S48 | 2 | "20020009184" | US-PGPUB; USPAT; | OR | OFF | 2011/12/28 16:25 |

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| | | | USOCR; EPO; JPO; DERWENT | | | |
| S49 | 26 | (server portal) with control\$4 with (call\$3 message\$1 information (voice near mail)) and (mobile wireless \$4phone) with access near2 priority and (server portal).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 16:31 |
| S50 | 121 | (server portal) with (call\$3 message\$1 information (voice near mail)) and (mobile wireless \$4phone) with access near2 priority and (server portal) near2 stor\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 16:35 |
| S51 | 19 | (server portal) with (call\$3 message\$1 information (voice near mail)) and (mobile wireless \$4phone) with access near2 priority and (server portal) near2 stor\$3 and "455"/\$.cls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 16:42 |
| S52 | 17 | (server (base near station) computer) with (control\$3 restrict\$3 block\$3) with (mobile wireless handheld portable pda) near3 access\$3 and access\$3 near3 priorit\$3 and (restrict\$4 (call near block\$3) block\$3) and set\$4 near4 (status location position tim\$3).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/28 16:49 |
| S53 | 2 | "7184703".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/29 10:22 |
| S54 | 2 | "20080107091" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/29 10:35 |
| S55 | 2 | "20070010195" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2011/12/29 11:34 |
| S56 | 2 | "7792552".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2012/09/24 20:54 |
| S57 | 2 | "8112104".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2012/09/24 20:59 |
| S58 | 60 | ("20020067806" "20020094067" "20020142756" "20030041048" "20030103600" "20030105854" "20030112948" "20030129968" "20030191814" "20030232629" "20040024882" "20040122979" "20040203919" "20050027385" "20050037785" "20050071253" "20050136955" "20050191994" "20050192061" "20050273327" | US-PGPUB; USPAT; USOCR | OR | OFF | 2012/09/24 21:01 |

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| | | "20060239419" "20060288099" "20070047522" "20080261636" "20100205272" "5425516" "5548636" "5758079" "5828731" "5930700" "5970388" "6119022" "6327628" "6463462" "6577859" "6636888" "6665534" "6788766" "6801793" "6816578" "6819757" "6977625" "6978136" "7010288" "7010332" "7027842" "7043261" "7072452" "7085253" "7107010" "7110963" "7111044" "7116976" "7188073" "7245266" "7376434" "7403972" "7729688" "7792522" "7890128").PN. | | | |
| SS9 | 188 | ("0320558" "0669949" "1255265" "1917745" "20010005230" "20020017997" "20020081982" "20020084990" "20020089639" "20020090103" "20020098877" "20020109600" "20020140899" "20020197961" "20030018274" "20030022690" "20030032449" "20030062046" "20030065257" "20030067585" "20030068057" "20030083591" "20030226978" "20040000733" "20040063378" "20040096078" "20040100384" "20040150986" "20040156012" "20040157649" "20040160571" "20040160572" "20040160573" "20050067580" "20050213026" "20050230596" "20050243719" "20050248717" "20050264752" "20060023158" "20060107822" "20060132382" "20070098192" "20070109491" "20070186330" "20070208531" "20070270663" "20070271065" "20070271116" "20070271387" "20071020853" "20080068559" "20080262392" "2249572" "2638532" "2794085" "2818511" "2830132" "2904670" "3060308" "3597054" "3710115" "4165487" "4254451" "4283127" "4322585" "4348664" "4389217" "4526473" "4535244" "4608492" "4683587" "4751691" "4757714" "4773095" "4806011" "4822160" "4822161" "4851686" "4942629" "4962469" "4985632" "5008548" "5020150" "5036311" "5050150" "5093576" "5148023" "5151600" "5161250" "5172256" "5306917" "5353378" "5359370" "5367345" "5379464" "5382986" "5394005" "5452480" "5455640" "5457751" "5500532" "5510961" "5513384" "5533130" "5581090" "5585871" "5589398").PN. OR ("5590417" "5608808" "5634201" "5686727" "5715323" "5737436" "5900720" "5941837" "5946071" "5966746" "5980037" "5988812" "5992996" "5995592" "6010216" "6013919" | US-PGPUB; OR USPAT; USOCR | OFF | 2012/09/24 21:04 |

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| | | "6028627" "6046455" "6060321" "6061580" "6091546" "6091832" "6115177" "6132681" "6154552" "6176578" "6225897" "6231181" "6236969" "6243578" "6259367" "6270466" "6292213" "6301367" "6307526" "6343858" "6349001" "6349422" "6409338" "6426719" "6478736" "6506142" "6513532" "6517203" "6539336" "6542081" "6546101" "6554763" "6619799" "6629076" "6729726" "6736759" "6764194" "6792401" "6912386" "6929365" "6947219" "7013009" "7031667" "7073905" "7192136" "7255437" "7265358" "7274292" "7312699" "7331666" "7376238" "7380936" "7429965" "D369167"). PN. | | | | |
| S60 | 134 | ("20040024882" "20050192061" "6636888" "6816578" "6978136" "7116976" "5828731" "6327628" "6577859" "7729688" "20020142756" "20050027385" "20050273327" "5548636" "5970388" "6119022" "6665534" "7072452" "5930700" "20060003803" "7890128" "7224775" "20020067806" "20020094067" "20030232629" "20040203919" "20050037785" "20060288099" "7027842" "7043261" "7403972" "20010028709" "8280419" "20030041048" "20040122979" "6463462" "6801793" "7010288" "7110963" "7111044" "6788766" "20060239419" "20050071253" "20050136955" "20050191994" "5425516" "7107010" "20030112948" "7792552" "20030103600" "20030129968" "20070047522" "6819757" "20110151852" "20030105854" "5930700" "7010332" "7085253" "7376434" "20030191814" "7188073" "8112104" "6819945"). PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2013/10/24 15:48 |
| S61 | 2 | set\$3 with ip with connection with server and tether\$3 with (mobile wireless) with second with network | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2013/10/24 20:48 |
| S62 | 1156 | set\$3 with ip with connection with server and select\$3 credential with (location position) with (mobile wireless) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2013/10/24 20:52 |
| S63 | 0 | set\$3 with ip with connection with server and select\$3 with credential with (location position) with (mobile wireless) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2013/10/24 20:52 |
| S64 | 302 | set\$3 with ip with connection with server and (location position) with (mobile | US-PGPUB; USPAT; | OR | OFF | 2013/10/24 20:53 |

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|-----|-------|--|---|----|-----|---------------------|
| | | wireless) | USOCR; EPO; JPO; DERWENT | | | |
| S65 | 134 | set\$3 with ip with connection with server and (location position) near2 (mobile wireless) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2013/10/24 20:54 |
| S66 | 0 | select\$3 with credential with (location position) with (mobile wireless) and service near2 metric | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2013/10/24 21:02 |
| S67 | 9 | select\$3 with credential with (mobile wireless) and service near2 metric | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2013/10/24 21:03 |
| S68 | 21375 | (mobile wireless) near2 authenticat\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2013/10/24 21:11 |
| S69 | 135 | (mobile wireless) near2 authenticat\$4 and select\$4 with credential | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2013/10/24 21:12 |
| S70 | 360 | (server (base near station) computer portal) with (control\$3 schedul\$3) with (incom\$3 message\$ email\$1 call\$3) with (priorit\$3 access\$1) and (server (base near station) computer portal) with (restrict\$3 inhibi\$4 (not\$3 near\$1 allow\$3) stop\$3) with (transmit\$3 send\$3 forward\$3 receip\$3) with (incom\$3 message\$ email\$1 call\$3).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2015/07/22 10:45 |
| S71 | 222 | (server (base near station) computer portal) with (control\$3 schedul\$3) with (incom\$3 message\$ email\$1 call\$3) with (priorit\$3 access\$1) and (server (base near station) computer portal) with (restrict\$3 inhibi\$4 (not\$3 near\$1 allow\$3) stop\$3) with (transmit\$3 send\$3 forward\$3 receip\$3) with (incom\$3 message\$ email\$1 call\$3) and priority with (call\$2 person) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2015/07/22 10:47 |
| S72 | 29 | S71 AND ((H04M2203/2072 OR H04M3/42068 OR H04M3/428 OR H04M3/54 OR H04M3/42042 OR H04M3/5322 OR H04M7/0009 OR H04M2201/14 OR H04M2203/551 OR H04M2203/652).CPC.) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2015/07/22 10:50 |
| S73 | 140 | (server (base near station) computer portal) with (control\$3 schedul\$3) with (incom\$3 message\$ email\$1 call\$3) with (priorit\$3 access\$1) and (server (base near station) computer portal) with (restrict\$3 inhibi\$4 (not\$3 near\$1 allow\$3) stop\$3) with (transmit\$3 send\$3 forward\$3 receip\$3) with | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2015/07/22 10:55 |

| | | | | | | |
|-----|-----|---|---|----|-----|------------------|
| | | (incom\$3 message\$ email\$1 call\$3) and (set\$3 select\$3 control\$3 schedul\$3) with priori\$3 with (call\$3 person\$1) | | | | |
| S74 | 8 | S73 AND ((H04M2203/2072 OR H04M3/42042).CPC.) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2015/07/22 11:02 |
| S75 | 7 | ("5598536" "5764639" "5790548" "5793365" "5812819" "5889845" "6122255").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2015/07/22 11:06 |
| S76 | 37 | (server (base near station) computer portal) with (control\$3 schedul\$3) with (incom\$3 message\$ email\$1 call\$3) with (priorit\$3 access\$1) and (server (base near station) computer portal) with (restrict\$3 inhibi\$4 (not\$3 near\$1 allow\$3) stop\$3) with (transmit\$3 send\$3 forward\$3 receip\$3) with (incom\$3 message\$ email\$1 call\$3) and (set\$3 select\$3 control\$3 schedul\$3) with priori\$3 with (call\$3 person\$1).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2015/09/11 13:43 |
| S77 | 9 | S76 AND ((H04W36/0005 OR H04W12/08 OR H04W48/08 OR H04W72/1263 OR H04W84/045 OR H04M2203/2072).CPC.) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2015/09/11 13:51 |
| S78 | 39 | (server (base near station) computer portal) with (control\$3 schedul\$3 set\$3) with schedul\$3 with (priorit\$3 access\$1) and (server (base near station) computer portal) with priorit\$3 with (call\$2 person mom boss (girl near friend)).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2015/09/11 13:53 |
| S79 | 614 | (server (base near station) computer) with (schedul\$3 set\$3) near5 access with (wife (girl near friend\$1) love\$2 boss client\$1 family friend\$1) and restrict\$3 with access | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2015/09/11 13:55 |
| S80 | 116 | (server (base near station) computer) with (schedul\$3 set\$3) near5 access with (wife (girl near friend\$1) love\$2 boss client\$1 family friend\$1) and restrict\$3 with access.clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2015/09/11 13:55 |
| S81 | 28 | S80 AND ((G06F2221/2141 OR G06F21/33 OR G06F21/00 OR G06F21/31 OR G06F2221/2115 OR H04W12/08 OR H04W12/06 OR H04W12/12).CPC.) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2015/09/11 14:22 |
| S82 | 7 | ("20030177187" "20040049515" "5586260" "6219669" "6606663" "6976085" "7000024").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2015/09/11 14:22 |
| S83 | 157 | ("3813529" "3893024" "4075691" "4075704" "4156907" "4333144" "4351023" "4377843" "4399503" "4456957" "4459664" "4488231" "4494188" "4527232" "4550368" "4589067" "4620292" "4685125" "4710868" "4719569" "4742447" "4742450" "4761737" "4761785" "4766534" "4780821" "4783730" | US-PGPUB; USPAT; USOCR | OR | OFF | 2015/09/11 14:23 |


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| S84 | 32 | (server (base near station) computer) with (schemul\$3 sett\$3) near5 access with (wife (girl near friend\$1) love\$2 boss client\$1 family friend\$1) and (priorit\$3 restrict\$3) near4 access.clm. | US-PGPUB; OR USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2015/09/11 14:27 |
| S85 | 10 | S84 AND ((G06F21/31 OR G06F2221/2141 OR G06F2221/2149 OR H04L67/1002 OR H04L63/0272 OR H04L63/10 OR H04L47/6275 OR H04N1/00915).CPC.) | US-PGPUB; OR USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2015/09/11 14:48 |
| S86 | 8 | "9204268".pn. | US-PGPUB; OR USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/23 15:23 |
| S87 | 2 | "8744407".pn. | US-PGPUB; OR USPAT; USOCR; EPO; JPO; | OR | OFF | 2016/04/23 15:25 |

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|-----|-----|--|--|----|-----|---------------------|
| | | | DERWENT | | | |
| S88 | 2 | "7729688".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/23 15:27 |
| S89 | 2 | "7116976".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/23 18:54 |
| S90 | 0 | "5930700.pn" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2016/04/23 19:23 |
| S91 | 3 | "5930700".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2016/04/23 19:25 |
| S92 | 1 | (server (base near station)) with (send\$3 transmit\$3) with (info information message\$1 text) near6 (wife (girl near friend\$1) love\$2 boss (boy adj friend\$1) friend\$1) and convert\$3 with text near1 voice | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/25 11:10 |
| S93 | 53 | (server (base near station)) with (send\$3 transmit\$3) with (info information message\$1 text) near6 (wife (girl near friend\$1) love\$2 boss (boy adj friend\$1) friend\$1 spouse) and text near1 voice | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/25 11:10 |
| S94 | 85 | (server (base near station)) with (send\$3 transmit\$3) with (info information message\$1 text) with (wife (girl near friend\$1) love\$2 boss (boy adj friend\$1) friend\$1 spouse) and text near1 voice | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/25 11:13 |
| S95 | 111 | (server (base near station) computer) with (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and text near1 voice | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/25 11:19 |
| S96 | 95 | (server (base near station) computer) with (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and text near1 voice and @ad<"20031010" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/25 11:19 |
| S97 | 39 | (send\$3 transmit\$3) with (schedul\$3 tim\$3 dat\$3) with available with receiv\$3 with (text message\$1) and text\$3 near2 voice\$1 and @ad<"20031010" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/25 11:27 |
| S98 | 149 | (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and text\$3 near2 voice\$1 and @ad<"20031010" | US-PGPUB; USPAT; USOCR; EPO; JPO; | OR | OFF | 2016/04/25 11:43 |

| | | | DERWENT | | | |
|------|-----|--|---|----|-----|---------------------|
| S99 | 99 | S98 AND ((H04N21/458 OR G06Q10/109 OR G06Q10/1093 OR G06Q50/01 OR H04L2012/6481 OR H04L12/581 OR H04M1/663 OR H04M7/0033 OR H04M2203/2072 OR H04M1/64 OR H04M1/72513 OR H04M1/72566 OR H04M3/432 OR H04M3/565).CPC.) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/25 11:47 |
| S100 | 11 | (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and convert\$3 with text\$3 near2 voice\$1 and @ad<"20031010" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/25 12:55 |
| S101 | 2 | schedul\$3 with receiv\$3 near5 (text message\$1) and convert\$3 with text\$3 near2 voice\$1 and @ad<"20031010" and 455/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/25 12:59 |
| S102 | 89 | receiv\$3 near5 message\$1 and convert\$3 with text\$3 near2 voice\$1 and @ad<"20031010" and 455/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/25 13:01 |
| S103 | 56 | receiv\$3 near5 text and convert\$3 with text\$3 near2 voice\$1 and @ad<"20031010" and 455/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/25 13:01 |
| S104 | 367 | (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and priority and schedul\$3 and (id identif\$3) with call\$3 and (id identif\$3) with (message\$1 text) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/25 14:30 |
| S105 | 148 | (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and priority and schedul\$3 and (id identif\$3) with call\$3 and (id identif\$3) with (message\$1 text) and @ad<"20031010" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2016/04/25 14:30 |

6/ 19/ 2017 9:54:41 PM


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| | | | |
|--|--|---|--|
| Issue Classification  | Application/Control No. 14922344 | Applicant(s)/Patent Under Reexamination CHEUNG ET AL. | |
| | Examiner KIET DOAN | Art Unit 2641 | |

| CPC | | | | | | |
|--------|------|---|------|--|------|------------|
| Symbol | | | | | Type | Version |
| H04W | 4 | 7 | 14 | | F | 2013-01-01 |
| G06Q | 10 | 7 | 10 | | I | 2013-01-01 |
| H04M | 3 | 7 | 436 | | I | 2013-01-01 |
| H04M | 2201 | 7 | 60 | | A | 2013-01-01 |
| H04M | 2203 | 7 | 2011 | | A | 2013-01-01 |
| H04M | 2203 | 7 | 651 | | A | 2013-01-01 |
| H04M | 2207 | 7 | 18 | | A | 2013-01-01 |
| H04W | 4 | 7 | 16 | | I | 2013-01-01 |
| H04W | 4 | 7 | 12 | | I | 2013-01-01 |
| H04M | 3 | 7 | 4365 | | I | 2013-01-01 |
| | | 7 | | | | |
| | | 7 | | | | |
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| | | 7 | | | | |


| CPC Combination Sets | | | | |
|----------------------|------|-----|---------|---------|
| Symbol | Type | Set | Ranking | Version |
| | | | | |
| | | | | |

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|--|------------|------------------------------|-------------------|
| NONE | | Total Claims Allowed: | |
| (Assistant Examiner) | (Date) | 27 | |
| /KIET DOAN/ Primary Examiner, Art Unit 2641 | 06/19/2017 | O.G. Print Claim(s) | O.G. Print Figure |
| (Primary Examiner) | (Date) | 1 | 7 |

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|--|--|---|
| Issue Classification  | Application/Control No. 14922344 | Applicant(s)/Patent Under Reexamination CHEUNG ET AL. |
| | Examiner KIET DOAN | Art Unit 2641 |

| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant | | <input type="checkbox"/> CPA | | <input checked="" 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 |
| 1 | 1 | 16 | 17 | | | | | | | | | | | | |
| 2 | 2 | 17 | 18 | | | | | | | | | | | | |
| | 3 | 18 | 19 | | | | | | | | | | | | |
| 3 | 4 | 19 | 20 | | | | | | | | | | | | |
| 4 | 5 | 20 | 21 | | | | | | | | | | | | |
| 5 | 6 | 21 | 22 | | | | | | | | | | | | |
| 6 | 7 | 22 | 23 | | | | | | | | | | | | |
| 7 | 8 | 23 | 24 | | | | | | | | | | | | |
| 8 | 9 | 24 | 25 | | | | | | | | | | | | |
| 9 | 10 | 25 | 26 | | | | | | | | | | | | |
| 10 | 11 | 26 | 27 | | | | | | | | | | | | |
| 11 | 12 | 27 | 28 | | | | | | | | | | | | |
| 12 | 13 | | | | | | | | | | | | | | |
| 13 | 14 | | | | | | | | | | | | | | |
| 14 | 15 | | | | | | | | | | | | | | |
| 15 | 16 | | | | | | | | | | | | | | |

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|--|------------|------------------------------|-------------------|
| NONE | | Total Claims Allowed: | |
| | | 27 | |
| (Assistant Examiner) | (Date) | | |
| /KIET DOAN/ Primary Examiner, Art Unit 2641 | 06/19/2017 | O.G. Print Claim(s) | O.G. Print Figure |
| (Primary Examiner) | (Date) | 1 | 7 |

| | | |
|--|--|---|
| <i>Index of Claims</i>  | Application/Control No. 14922344 | Applicant(s)/Patent Under Reexamination CHEUNG ET AL. |
| | Examiner KIET DOAN | Art Unit 2641 |

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|---|-----------------|
| ✓ | Rejected |
| = | Allowed |


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|---|-------------------|
| - | Cancelled |
| ÷ | Restricted |

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| N | Non-Elected |
| I | Interference |

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| A | Appeal |
| O | Objected |

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

| CLAIM | | DATE | | | | | | | | | |
|-------|----------|------------|------------|------------|------------|------------|--|--|--|--|--|
| Final | Original | 04/23/2016 | 09/30/2016 | 02/12/2017 | 03/01/2017 | 06/19/2017 | | | | | |
| 1 | 1 | ✓ | ✓ | = | = | = | | | | | |
| 2 | 2 | ✓ | ✓ | = | = | = | | | | | |
| | 3 | ✓ | ✓ | - | - | - | | | | | |
| 3 | 4 | ✓ | ✓ | = | = | = | | | | | |
| 4 | 5 | ✓ | ✓ | = | = | = | | | | | |
| 5 | 6 | | | = | = | = | | | | | |
| 6 | 7 | | | = | = | = | | | | | |
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| 9 | 10 | | | = | = | = | | | | | |
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| 12 | 13 | | | | = | = | | | | | |
| 13 | 14 | | | | = | = | | | | | |
| 14 | 15 | | | | = | = | | | | | |
| 15 | 16 | | | | = | = | | | | | |
| 16 | 17 | | | | = | = | | | | | |
| 17 | 18 | | | | = | = | | | | | |
| 18 | 19 | | | | = | = | | | | | |
| 19 | 20 | | | | = | = | | | | | |
| 20 | 21 | | | | = | = | | | | | |
| 21 | 22 | | | | = | = | | | | | |
| 22 | 23 | | | | | = | | | | | |
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| 24 | 25 | | | | | = | | | | | |
| 25 | 26 | | | | | = | | | | | |
| 26 | 27 | | | | | = | | | | | |
| 27 | 28 | | | | | = | | | | | |

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| Search Notes  | Application/Control No. 14922344 | Applicant(s)/Patent Under Reexamination CHEUNG ET AL. |
| | Examiner KIET DOAN | Art Unit 2641 |

| CPC- SEARCHED | | |
|---------------|-----------|----------|
| Symbol | Date | Examiner |
| | 4/25/2016 | |
| H04M1/64 | | KD |
| G06Q10/109 | | KD |

| CPC COMBINATION SETS - SEARCHED | | |
|---------------------------------|------|----------|
| Symbol | Date | Examiner |
| | | |

| US CLASSIFICATION SEARCHED | | | |
|----------------------------|---|-----------|----------|
| Class | Subclass | Date | Examiner |
| | | 4/25/2016 | |
| 455 | 445 | | KD |
| | 463 | | KD |
| | 411 | | KD |
| | 412.1 | | KD |
| | 412.2 | | KD |
| | 466 | | KD |
| 370 | 495 | | KD |
| | 276 | | KD |
| | 286 | | KD |
| | 259 | | KD |
| | 468 | | KD |
| | 426 | | KD |
| 455 | 414 | | KD |
| | | 9/30/2016 | |
| | TD rejection | | KD |
| | | 2/11/2017 | |
| 709 | 224 | | KD |
| | update search | | |
| | | 3/1/2017 | |
| | update search , Applicant file additional claims that recited same limitation | | KD |
| | | 6/19/2017 | |
| 379 | 210.01 | | KD |

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US CLASSIFICATION SEARCHED

| Class | Subclass | Date | Examiner |
|-------|---------------|------|----------|
| | update search | | KD |
| 709 | 206 | | KD |
| 707 | 781 | | KD |

SEARCH NOTES

| Search Notes | Date | Examiner |
|---|-----------|----------|
| | 4/25/2016 | |
| Inventor search | | KD |
| Eats search | | KD |
| (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and text\$3 near2 voice\$1 and @ad<"20031010" | | KD |
| (server (base near station)) with (send\$3 transmit\$3) with (info information message\$1 text) with (wife (girl near friend\$1) love\$2 boss (boy adj friend\$1) friend\$1 spouse) and text near1 voice | | KD |
| (H04N21/458 OR G06Q10/109 OR G06Q10/1093 OR G06Q50/01 OR H04L2012/6481 OR H04L12/581 OR H04M1/663 OR H04M7/0033 OR H04M2203/2072 OR H04M1/64 OR H04M1/72513 OR H04M1/72566 OR H04M3/432 OR H04M3/565).CPC. | | KD |
| (server (base near station) computer) with (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and text near1 voice | | KD |
| (send\$3 transmit\$3) with schedul\$3 with receiv\$3 near5 (text message\$1) and priority and schedul\$3 and (id identif\$3) with call\$3 and (id identif\$3) with (message\$1 text) | | KD |
| | 9/30/2016 | |
| TD rejection | | KD |
| | 2/11/2017 | |
| (identif\$3 id) with caller and caller with priority and hidden with message\$1 | | KD |
| (identif\$3 id verif\$3 detect\$3) with caller and caller and priority and hidden with message\$1 | | |
| update search | | |
| | 3/1/2017 | |
| update search , Applicant file additional claims that recited same limitation | | KD |
| | 6/19/2017 | |
| schedul\$3 with (text message\$1) and schedul\$3 with available with receiv\$3 with (text message\$1) and (id identif\$3) near6 (caller\$1 (person near call\$3)) and (server (base near station) pbx) with stor\$3 with (message\$1 text (contact\$1 near number\$1)).clm. | | KD |
| update search | | KD |

INTERFERENCE SEARCH

| US Class/ CPC Symbol | US Subclass / CPC Group | Date | Examiner |
|-------------------------|-------------------------|-----------|----------|
| | | 4/25/2016 | |

| | |
|--|--|
| | |
|--|--|

INTERFERENCE SEARCH

| US Class/ CPC Symbol | US Subclass / CPC Group | Date | Examiner |
|---------------------------------|--------------------------------|-------------|-----------------|
| 709 | 228 | | KD |

| | |
|--|--|
| | |
|--|--|

PART B - FEE(S) TRANSMITTAL

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

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

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

34071 7590 06/22/2017
IPVENTURE, INC.
5150 EL CAMINO REAL
SUITE A-22
LOS ALTOS, CA 94022

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

Certificate of Mailing or Transmission

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

| |
|-----------------------------|
| _____ (Depositor's name) |
| _____ (Signature) |
| _____ (Date) |

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 14/922.344 | 10/26/2015 | Kwok Wai Cheung | IPVMC/P02C3 | 9763 |

TITLE OF INVENTION: SYSTEMS AND PROCESSES TO MANAGE COMMUNICATION

| APPLN. TYPE | ENTITY STATUS | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|---------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | SMALL | \$480 | \$0 | \$480 | \$480 | 09/22/2017 |

| EXAMINER | ART UNIT | CLASS-SUBCLASS |
|--------------|----------|----------------|
| DOAN, KIET M | 2641 | 455-412100 |

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

- Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

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

(B) RESIDENCE: (CITY and STATE OR COUNTRY)
 Los Altos, CA

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

4a. The following fee(s) are submitted:

- Issue Fee
- Publication Fee (No small entity discount permitted)
- Advance Order - # of Copies _____

4b. Payment of Fees(s): (Please first reapply any previously paid issue fee shown above)

- A check is enclosed.
- Payment by credit card. ~~Form PTO 2038 is attached.~~ (Previously paid)
- The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number 503874 (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 /Peter P. Tong/

Date June 30, 2017

Typed or printed name Peter P. Tong

Registration No. 35,757

Electronic Acknowledgement Receipt

| | |
|---|---|
| EFS ID: | 29665567 |
| Application Number: | 14922344 |
| International Application Number: | |
| Confirmation Number: | 9763 |
| Title of Invention: | SYSTEMS AND PROCESSES TO MANAGE COMMUNICATION |
| First Named Inventor/Applicant Name: | Kwok Wal Cheung |
| Customer Number: | 34071 |
| Filer: | Peter P. Tong |
| Filer Authorized By: | |
| Attorney Docket Number: | IPVMCP02C3 |
| Receipt Date: | 30-JUN-2017 |
| Filing Date: | 26-OCT-2015 |
| Time Stamp: | 22:52:46 |
| Application Type: | Utility under 35 USC 111(a) |

Payment information:

| | |
|------------------------|----|
| Submitted with Payment | no |
|------------------------|----|

File Listing:

| Document Number | Document Description | File Name | File Size(Bytes)/ Message Digest | Multi Part /.zip | Pages (if appl.) |
|-----------------|-----------------------------|--------------------------------|--|------------------|------------------|
| 1 | Issue Fee Payment (PTO-85B) | IPVMCP02C3_IFTrans_6-30-17.pdf | 125506 <small>79a65e870e0505312826a11a0a0124260</small> | no | 1 |

Warnings:

| | |
|---|--------|
| Information: | |
| Total Files Size (in bytes): | 125506 |
| <p>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.</p> <p><u>New Applications Under 35 U.S.C. 111</u> 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.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> 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.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> 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.</p> | |

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 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 or **Fax** (571)-273-2885

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

34071 7590 06/22/2017
 IPVENTURE, INC.
 5150 EL CAMINO REAL
 SUITE A-22
 LOS ALTOS, CA 94022



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

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 14/922,344 | 10/26/2015 | Kwok Wai Cheung | IPVMCP02C3 | 9763 |

TITLE OF INVENTION: SYSTEMS AND PROCESSES TO MANAGE COMMUNICATION

| APPLN. TYPE | ENTITY STATUS | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|---------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | SMALL | \$480 | \$0 | \$480 | \$480 | 09/22/2017 |

07/05/2017 MBLANC01 00000006 14922344

01 FC:2501

480.00 OP

| EXAMINER | ART UNIT | CLASS-SUBCLASS |
|--------------|----------|----------------|
| DOAN, KIET M | 2641 | 455-412100 |

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

- Change of correspondence address (or Change of Correspondence Address form PTO/SB/1122) attached.
- "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) The names of up to 3 registered patent attorneys or agents OR, alternatively, _____ 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
 IpVenture, Inc.

(B) RESIDENCE: (CITY and STATE OR COUNTRY)
 Los Altos, CA

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

4a. The following fee(s) are submitted:

- Issue Fee
- Publication Fee (No small entity discount permitted)
- Advance Order - # of Copies _____

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- A check is enclosed.
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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 /Peter P. Tong/

Date June 30, 2017

Typed or printed name Peter P. Tong

Adjustment date: 07/05/2017 MBLANC01
 Registration No. IN35757 00011965 14922344
 01 FC:2501 -480.00 OP



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

| APPLICATION NUMBER | FILING or 371(c) DATE | GRP ART UNIT | FIL FEE REC'D | ATTY. DOCKET NO | TOT CLAIMS | IND CLAIMS |
|--------------------|-----------------------|--------------|---------------|-----------------|------------|------------|
| 14/922,344 | 10/26/2015 | 2641 | 1220 | IPVMCP02C3 | 5 | 1 |

CONFIRMATION NO. 9763
CORRECTED FILING RECEIPT



34071
IPVENTURE, INC.
5150 EL CAMINO REAL
SUITE A-22
LOS ALTOS, CA 94022

Date Mailed: 07/19/2017

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)
Kwok Wai Cheung, Tai Po, HONG KONG;
Peter P. Tong, Mountain View, CA;
C. Douglass Thomas, Saratoga, CA;

Applicant(s)
IpVenture, Inc., Los Altos, CA;

Power of Attorney: The patent practitioners associated with Customer Number 34071

Domestic Priority data as claimed by applicant
This application is a CON of 14/272,632 05/08/2014 PAT 9204268
which is a CON of 12/798,995 04/14/2010 PAT 8744407
which is a CON of 11/452,115 06/12/2006 PAT 7729688
which is a CIP of 11/006,343 12/07/2004 PAT 7116976
which claims benefit of 60/527,565 12/08/2003
and said 11/452,115 06/12/2006
claims benefit of 60/689,686 06/10/2005

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: No

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 11/04/2015

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/922,344**

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION

Preliminary Class

455

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific

page 2 of 4

countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

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Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

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

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

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

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technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.



UNITED STATES PATENT AND TRADEMARK OFFICE

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

Table with 5 columns: APPLICATION NO., ISSUE DATE, PATENT NO., ATTORNEY DOCKET NO., CONFIRMATION NO.
14/922.344 08/15/2017 9736664 IPVMCP02C3 9763

34071 7590 07/26/2017
IPVENTURE, INC.
5150 EL CAMINO REAL
SUITE A-22
LOS ALTOS, CA 94022

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

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

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

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

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site http://pair.uspto.gov for additional applicants):

Kwok Wai Cheung, Tai Po, HONG KONG;
IpVenture, Inc., Los Altos, CA;
Peter P. Tong, Mountain View, CA;
C. Douglass Thomas, Saratoga, CA;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.

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| | | | | | |
|---|---|------------------------------------|--|---------------------------|---------------------------------------|
| PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875 | | | Application or Docket Number 14/922,344 | Filing Date 10/26/2015 | <input type="checkbox"/> To be Mailed |
| ENTITY: <input type="checkbox"/> LARGE <input checked="" type="checkbox"/> SMALL <input type="checkbox"/> MICRO | | | | | |
| APPLICATION AS FILED - PART I | | | | | |
| FOR | (Column 1) NUMBER FILED | (Column 2) NUMBER EXTRA | RATE (\$) | FEE (\$) | |
| <input type="checkbox"/> BASIC FEE <small>(37 CFR 1.16(a), (b), or (c))</small> | N/A | N/A | N/A | | |
| <input type="checkbox"/> SEARCH FEE <small>(37 CFR 1.16(k), (l), or (m))</small> | N/A | N/A | N/A | | |
| <input type="checkbox"/> EXAMINATION FEE <small>(37 CFR 1.16(o), (p), or (q))</small> | N/A | N/A | N/A | | |
| TOTAL CLAIMS <small>(37 CFR 1.16(j))</small> | minus 20 = * | | x \$40 = | | |
| INDEPENDENT CLAIMS <small>(37 CFR 1.16(h))</small> | minus 3 = * | | x \$210 = | | |
| <input type="checkbox"/> APPLICATION SIZE FEE (37 CFR 1.16(s)) | If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). | | | | |
| <input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j)) | | | | | |
| * If the difference in column 1 is less than zero, enter "0" in column 2. | | | | TOTAL | |
| APPLICATION AS AMENDED - PART II | | | | | |
| | (Column 1) | (Column 2) | (Column 3) | | |
| AMENDMENT | 07/16/2019 CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE (\$) | ADDITIONAL FEE (\$) |
| | Total <small>(37 CFR 1.16(i))</small> | * 20 Minus ** 20 | = 0 | x \$ 50 = | 0 |
| | Independent <small>(37 CFR 1.16(m))</small> | * 2 Minus *** 3 | = 0 | x \$ 230 = | 0 |
| <input type="checkbox"/> Application Size Fee (37 CFR 1.16(s)) | | | | | |
| <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) | | | | | |
| | | | | | TOTAL ADD'L FEE |
| | | | | | 0 |
| | (Column 1) | (Column 2) | (Column 3) | | |
| AMENDMENT | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE (\$) | ADDITIONAL FEE (\$) |
| | Total <small>(37 CFR 1.16(i))</small> | * Minus ** | = | x \$ 0 = | |
| | Independent <small>(37 CFR 1.16(m))</small> | * Minus *** | = | x \$ 0 = | |
| <input type="checkbox"/> Application Size Fee (37 CFR 1.16(s)) | | | | | |
| <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) | | | | | |
| | | | | | TOTAL ADD'L FEE |
| | | | | | LIE |
| * If the entry in column 1 is less than the entry in column 2, write "0" in column 3. | | | | | |
| ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". | | | | | /EFREM WARREN/ |
| *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". | | | | | |
| The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1. | | | | | |

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

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: CHEUNG et al.

Attorney Docket No.: IPVMCP02C3

Patent: 9,736,664

Issued: August 15, 2017

Title: SYSTEMS AND PROCESSES TO
MANAGE MULTIPLE MODES OF
COMMUNICATION

**REQUEST FOR CERTIFICATE OF CORRECTION
OF OFFICE MISTAKE
(35 U.S.C. §254, 37 CFR §1.322)**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Attn: Certificate of Correction

Dear Sir:

Attached is Form PTO-1050 (Certificate of Correction) at least one copy of which is suitable for printing.

The error(s) together with the exact page and line number where the error(s) appear in the application file are as follows:

CLAIMS:

1. In line 1 of claim 15 (column 21, line 27) change "claim 6" to --claim 5--. This appears correctly in line 1 of claim 16 on page 6 of Amendment C filed on February 22, 2017. After Allowance, claims were renumbered with claim 16 becoming claim 15 and claim 6 becoming claim 5. [PTO Error]

It is noted that the above-identified errors were printing errors that apparently occurred during the printing process. Accordingly, it is believed that no fees are due in

Patent No. 9,736,664

| Atty. Docket No. IPVMCP02C3

connection with the filing of this Request for Certificate of Correction. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 50-3874 (Order No. IPVMCP02C3).

Respectfully submitted,

/Peter P. Tong/

Peter P. Tong
Registration No. 35,757

IpVenture, Inc.
4010 Moorpark Avenue
Suite 211
San Jose, CA 95117

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. 9,736,664
APPLICATION NO.: 14/922,344
ISSUE DATE : August 15, 2017
INVENTOR(S) : CHEUNG et al.

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

In the Claims:

Column 21, Line 27 (Claim 15, Line 1): "claim 6" should be --claim 5--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

IpVenture, Inc.
4010 Moorpark Avenue, Suite 211
San Jose, CA 95117

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

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.

Electronic Acknowledgement Receipt

| | |
|---|---|
| EFS ID: | 43091626 |
| Application Number: | 14922344 |
| International Application Number: | |
| Confirmation Number: | 9763 |
| Title of Invention: | SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION |
| First Named Inventor/Applicant Name: | Kwok Wal Cheung |
| Customer Number: | 34071 |
| Filer: | Peter P. Tong/Angela Nijim |
| Filer Authorized By: | Peter P. Tong |
| Attorney Docket Number: | IPVMCP02C3 |
| Receipt Date: | 25-JUN-2021 |
| Filing Date: | 26-OCT-2015 |
| Time Stamp: | 15:18:04 |
| Application Type: | Utility under 35 USC 111(a) |

Payment information:

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| Submitted with Payment | no |
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File Listing:

| Document Number | Document Description | File Name | File Size(Bytes)/ Message Digest | Multi Part /.zip | Pages (if appl.) |
|-----------------|---------------------------------------|------------------------------------|---|------------------|------------------|
| 1 | Request for Certificate of Correction | IPVMCP02C3_ReqandCertCorr_6-21.pdf | 144417 <small>9f70cc640d0a11261530886a5204e61e83007e</small> | no | 4 |

Warnings:

| | |
|---|--------|
| Information: | |
| Total Files Size (in bytes): | 144417 |
| <p>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.</p> <p><u>New Applications Under 35 U.S.C. 111</u> 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.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> 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.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> 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.</p> | |



UNITED STATES PATENT AND TRADEMARK OFFICE

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

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|---------------------|------------------|
| 14/922,344 | 10/26/2015 | Kwok Wai Cheung | IPVMCP02C3 | 9763 |
| 34071 | 7590 | 07/07/2021 | EXAMINER | |
| IPVENTURE, INC. 4010 Moorpark Avenue Suite 211 San Jose, CA 95117 | | | DOAN, KIET M | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 2641 | |
| | | | MAIL DATE | DELIVERY MODE |
| | | | 07/07/2021 | PAPER |

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.



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

Patent No.: 9736664
Issue Date: 08/15/2017
Appl. No.: 14/922,344
Filed: 10/26/2015

PART (A) RESPONSE FOR CERTIFICATES OF CORRECTION

This is a decision on the Certificate of Correction request filed 25 June 2021.

The request for issuance of Certificate of Correction for the above-identified correction(s) under the provisions of 37 CFR 1.322 and/or 1.323 is hereby:

(Check one)

Approved Approved in Part Denied

Comments: _____

PART (B) PETITION UNDER 37 CFR 1.324 OR 37 CFR 1.48

This is a decision on the petition filed _____ to correct inventorship under 37 CFR 1.324.

This is a decision on the request under 37 CFR 1.48, petition filed _____. In view of the fact that the patent has already issued, the request under 37 CFR 1.48 has been treated as a petition to correct inventorship under 37 CFR 1.324.

The petition is hereby: Granted Dismissed

Comment: _____

The patented filed is being forwarded to Certificate of Corrections Branch for issuance of a certificate naming only the actual inventor or inventors.

/CHARLES N APPIAH/
Supervisory Patent Examiner, Art Unit 2641
Technology Center 2600
Phone: (571)272-7863

Certificates of Correction Branch email: CustomerServiceCoC@uspto.gov CoC Central Phone Number: (703) 756-1814

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 9,736,664 B2
APPLICATION NO. : 14/922344
DATED : August 15, 2017
INVENTOR(S) : Cheung et al.

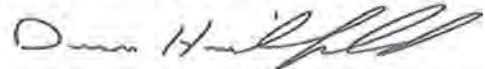
Page 1 of 1

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 21, Line 27 (Claim 15, Line 1): "claim 6" should be --claim 5--

Signed and Sealed this
Third Day of August, 2021



Drew Hirshfeld
*Performing the Functions and Duties of the
Under Secretary of Commerce for Intellectual Property and
Director of the United States Patent and Trademark Office*