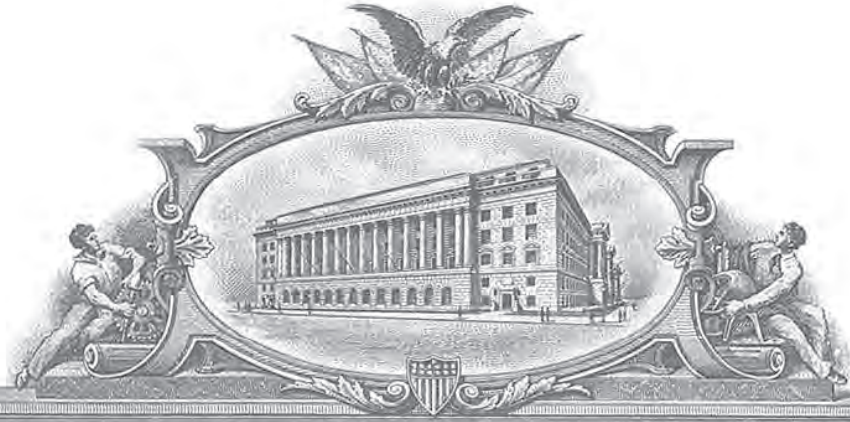


8162580



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME;

UNITED STATES DEPARTMENT OF COMMERCE

United States Patent and Trademark Office

September 30, 2021

THIS IS TO CERTIFY THAT ANNEXED IS A TRUE COPY FROM THE RECORDS OF THIS OFFICE OF THE FILE WRAPPER AND CONTENTS OF:

APPLICATION NUMBER: 16/556,205
FILING DATE: August 29, 2019
PATENT NUMBER: 10708727
ISSUE DATE: July 07, 2020



Certified by

Performing the Functions and Duties of the
Under Secretary of Commerce
for Intellectual Property
and Director of the United States
Patent and Trademark Office

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.

UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>	<i>Attorney Docket No.</i> IPVMCP02C6
	<i>First Named Inventor</i> CHEUNG et al.
	<i>Title</i> METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENTI...
	<i>Priority Mail Express® Label No.</i>

APPLICATION ELEMENTS <small>See MPEP chapter 600 concerning utility patent application contents.</small>	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 39]
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 9]
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**
(if applicable, items a. - c. are required)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. Paper
 - c. Statements verifying identity of above copies

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

Name			
Address			
City	State	Zip Code	
Country	Telephone	Email	

Signature	/Peter P. Tong/	Date	August 29, 2019
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.

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.

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

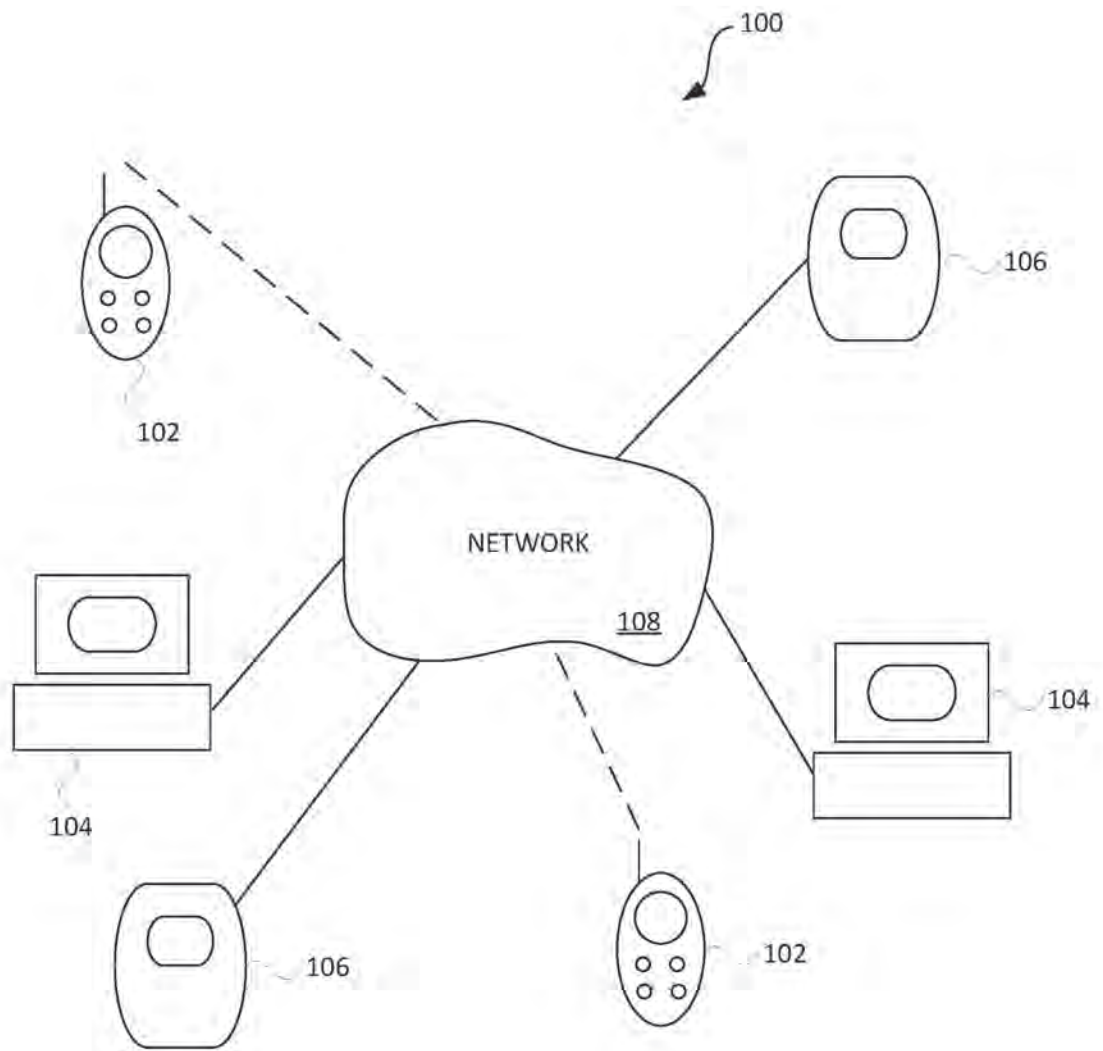


FIG. 6

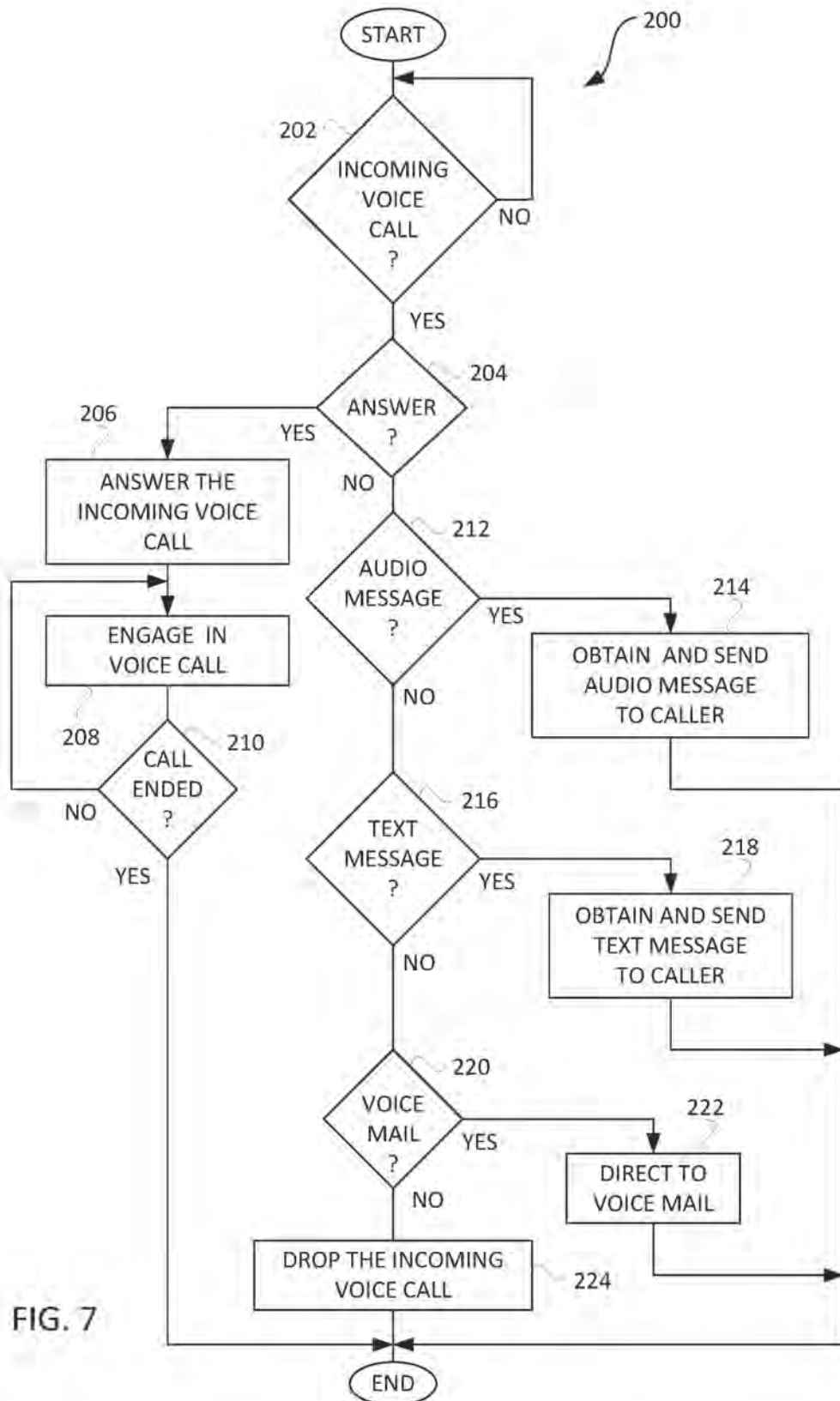


FIG. 7

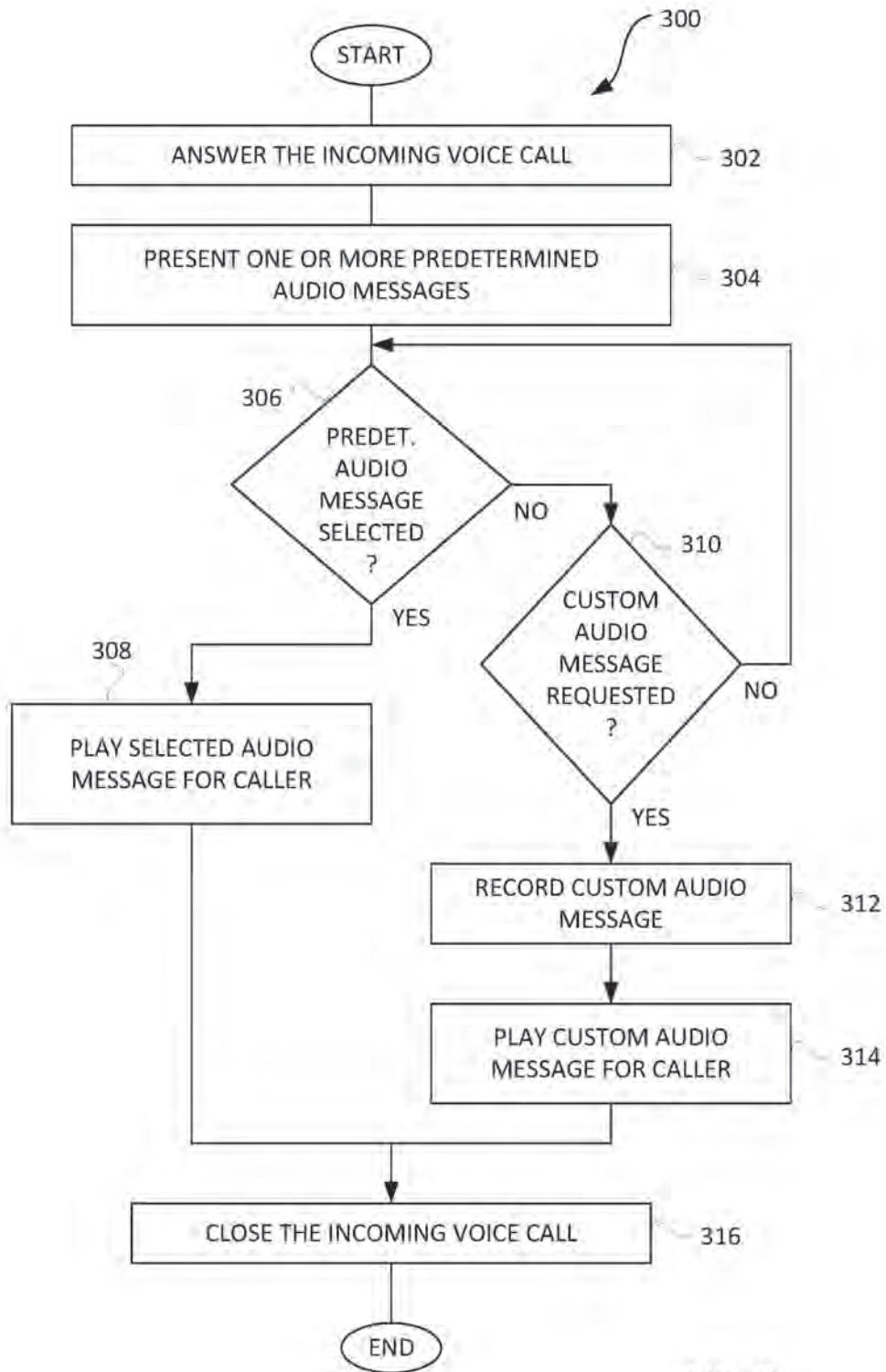


FIG. 8

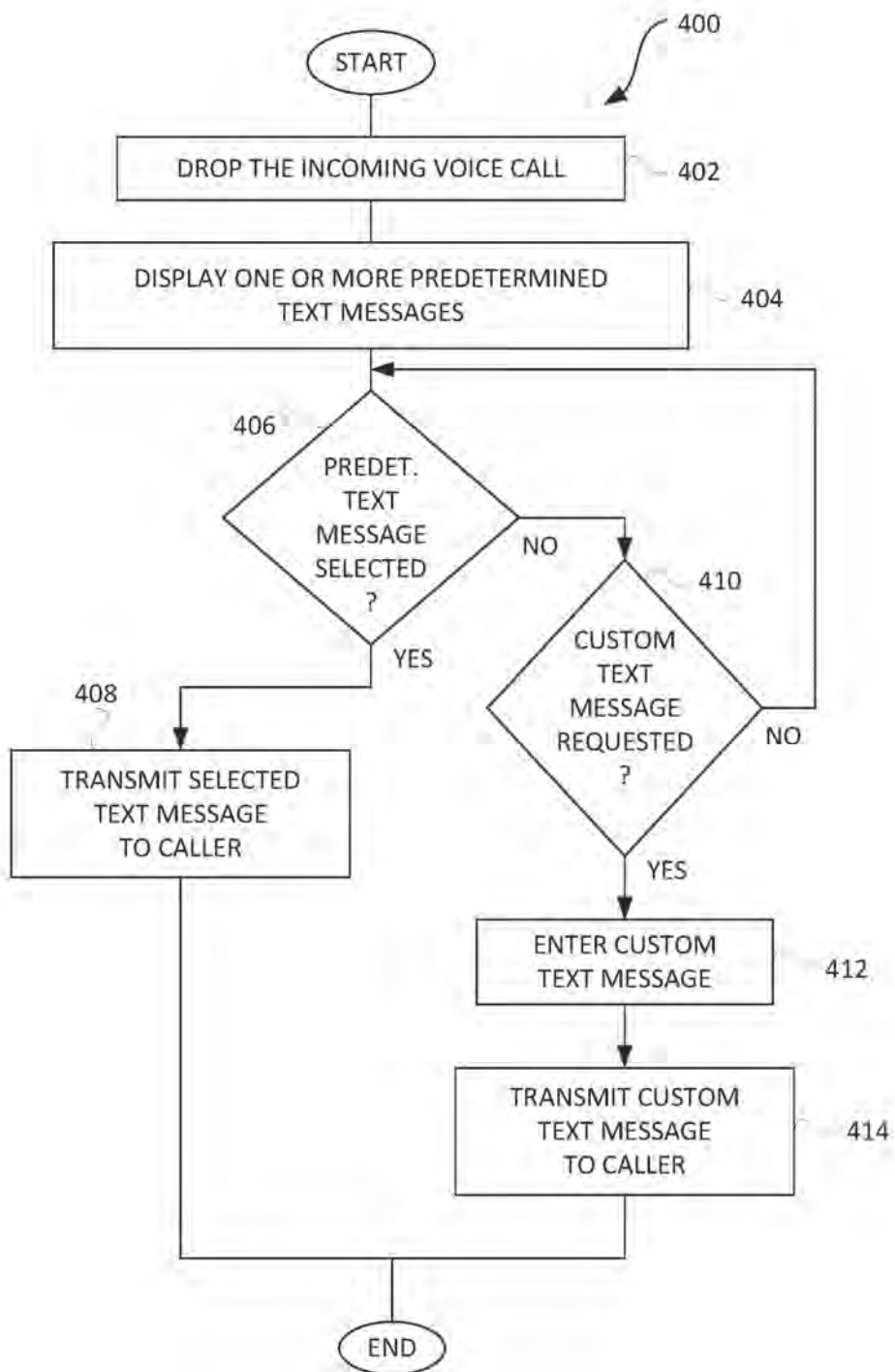


FIG. 9

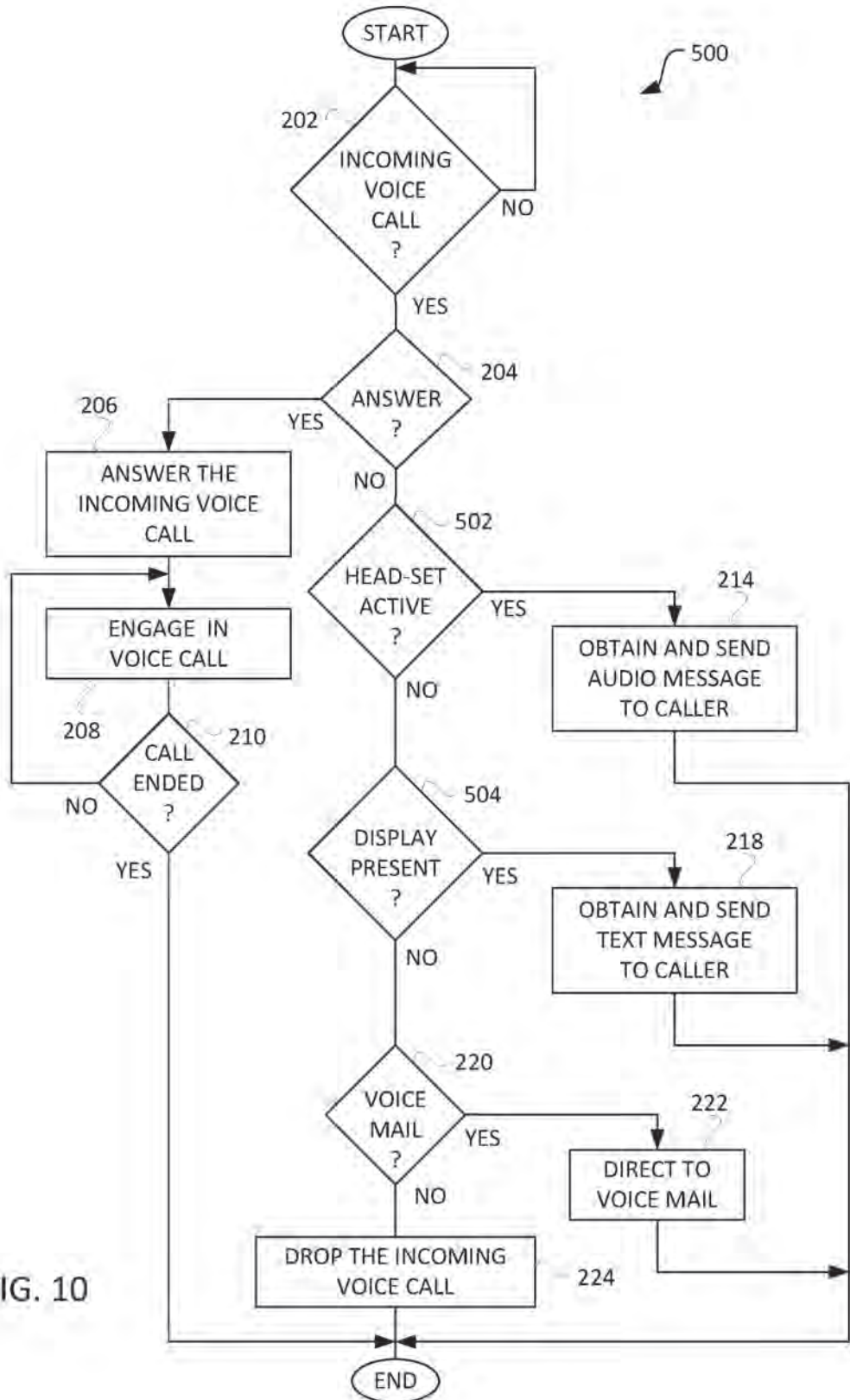


FIG. 10

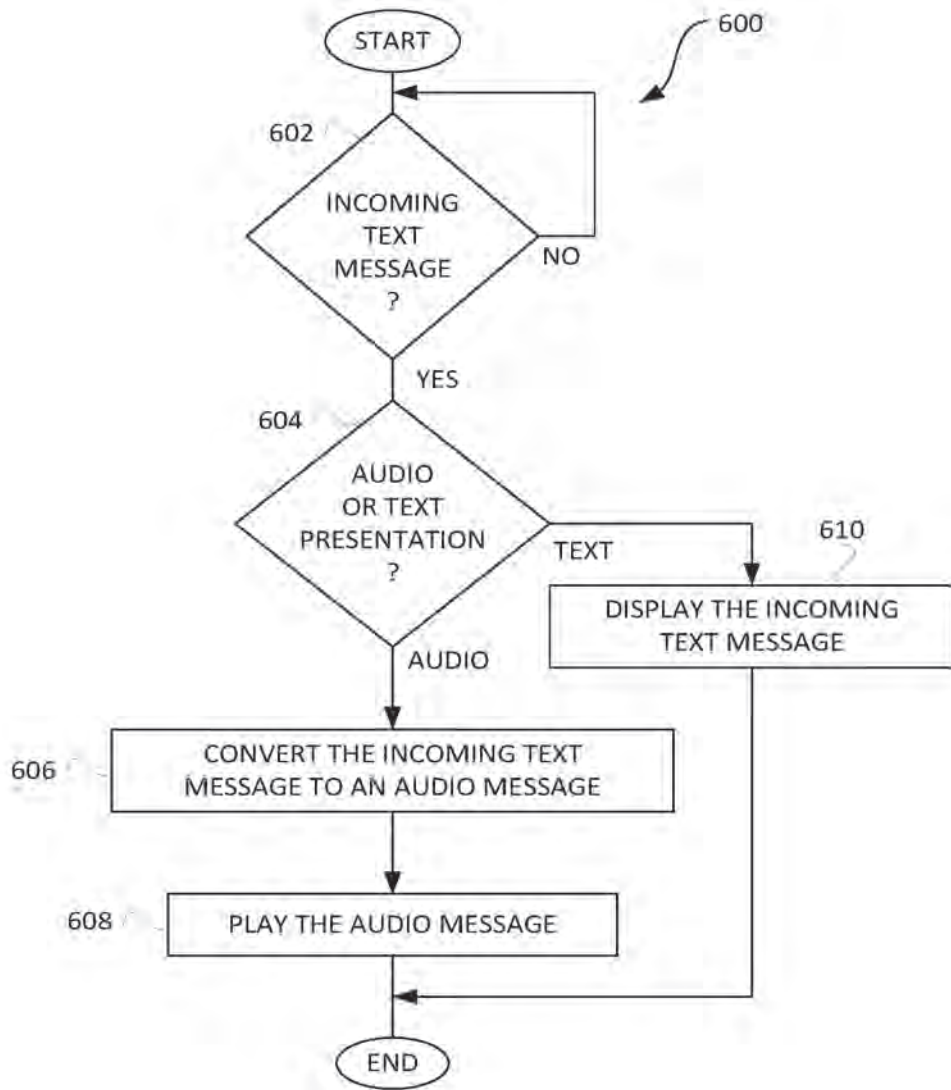


FIG. 11

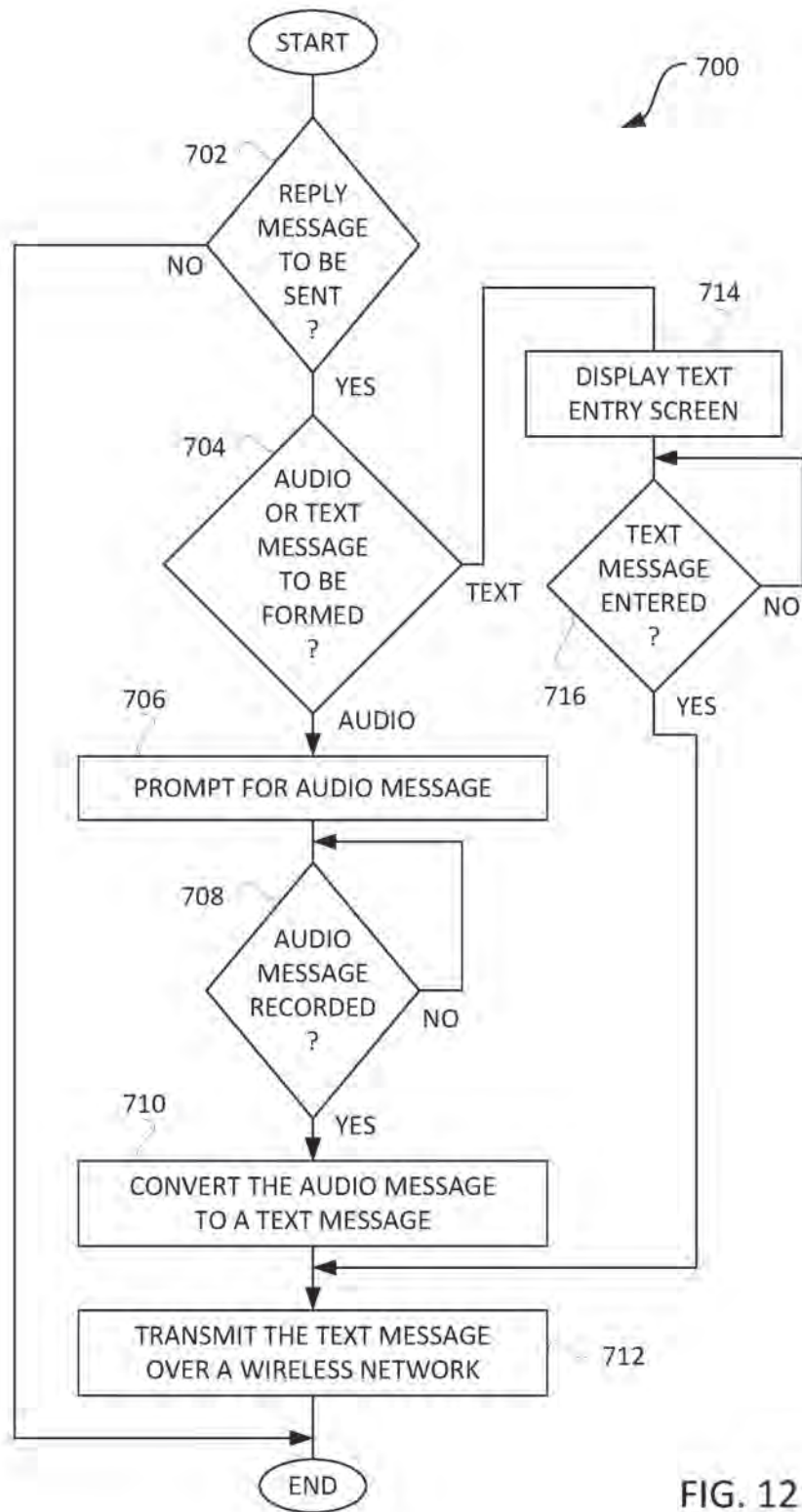


FIG. 12

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.

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION
---------------------------	--

As the below named inventor, I hereby declare that:

This declaration is directed to: The attached application, or
 United States application or PCT international application number _____
filed on _____

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

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


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

WARNING:

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

LEGAL NAME OF INVENTOR

Inventor: Kwok Wai Cheung Date (Optional): _____

Signature: 

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

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.
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Title of invention	SYSTEMS AND PROCESSES TO MANAGE MULTIPLE MODES OF COMMUNICATION
<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 identify 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>	
<p>Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/D1 form for each additional inventor.</p>	

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.52. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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

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

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STATEMENT UNDER 37 CFR 3.73(c)

Applicant/Patent Owner: IpVenture, Inc.

Application No./Patent No.: Not Yet Assigned Filed/Issue Date: Filed Herewith

Titled: METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION

IpVenture, 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.

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.**

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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

August 29, 2019

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.

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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.
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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.

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(c).

I hereby appoint:

Practitioners associated with Customer Number: 34071

OR

Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

As attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(c).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(c) to:

The address associated with Customer Number: 34071

OR

<input type="checkbox"/>	Firm or individual name		
	Address		
	City	State	Zip
	Country		
	Telephone	Email	

Assignee name and address:
ipVeritas, Inc.
 4910 Macropark Avenue
 Suite 211
 San Jose, CA 95117

A copy of this form, together with a statement under 37 CFR 3.73(c) (Form PTO/AIA/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(c) may be completed by one of the practitioners appointed in this form, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee.

Signature/Peter P. Tong/	Date August 29, 2019
Name Peter P. Tong	Telephone 650-903-9200, x102
Title President	

This collection of information is required by 37 CFR 1.31, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public, which is to update (and by the USPTO to process) the file of a patent or reexamination proceeding. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 18 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.

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.
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: CHEUNG et al. Attorney Docket No.: IPVMCP02C6

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

Filed: Herewith Group: Not Yet Assigned

Title: METHODS AND APPARATUS
TO MANAGE MESSAGING
PROVIDING DIFFERENT MODES
USING ONE IDENTIFIER AND NOT
REQUIRING TO DISCLOSE CONTACT
INFORMATION

**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 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. 15/704,181. 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.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material

Appln. No. Not Yet Assigned

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Atty. Docket No. IPVMCP02C6

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. IPVMCP02C6).

Respectfully submitted,

/Peter P. Tong/

Peter P. Tong
Registration No. 35,757

4010 Moorpark Avenue
Suite 211
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	Application No.:	Not Yet Assigned
	Applicant	CHEUNG et al.
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	Group	Not Yet Assigned
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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.	2001/0014611 A1	Aug-01	Dufort			
	3.	2001/0028709 A1	Oct.-01	Makela et al.			
	4.	2001/0031633 A1	Oct.-01	Tuomela et al.			
	5.	2002/0067806 A1	Jun-02	Rodriguez et al.			
	6.	2002/0073207 A1	Jun-02	Widger et al.			
	7.	2002/0094067 A1	Jul-02	August			
	8.	2002/0142756 A1	Oct-02	Rutledge et al.			
	9.	2002/0181672 A1	Dec-02	Cannell et al.			
	10.	2003/0039339 A1	Feb-03	Luehrig et al.			
	11.	2003/0041048 A1	Feb-03	Balasuriya			
	12.	2003/0065779 A1	Apr-03	Malik			
	13.	2003/0103600 A1	Jun-03	Potter			
	14.	2003/0105854 A1	Jun-03	Thorsteinsson et al.			
	15.	2003/0112948 A1	Jun-03	Brown et al.			
	16.	2003/0129968 A1	Jul-03	Earl			
	17.	2003/0191676 A1	Oct-03	Templeton			
	18.	2003/0191814 A1	Oct-03	Tran			
	19.	2003/0232629 A1	Dec-03	Jang et al.			
	20.	2004/0024882 A1	Feb-04	Austin et al.			
	21.	2004/0072585 A1	Apr-04	Le et al.			
	22.	2004/0078340 A1	Apr-04	Evans			
	23.	2004/0122979 A1	Jun-04	Kirkland			
	24.	2004/0143667 A1	Jul-04	Jerome			
	25.	2004/0203919 A1	Oct-04	Ross et al.			
	26.	2004/0240650 A1	Dec-04	Bear et al.			
	27.	2004/0248596 A1	Dec-04	Panchal			

Examiner	Date Considered
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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.

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	Filing Date	Filed Herewith
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28.	2005/0020288 A1	Jan-05	Davis			
29.	2005/0027385 A1	Feb-05	Yuch			
30.	2005/0037785 A1	Feb-05	Chen			
31.	2005/0038690 A1	Feb-05	Hayes-Roth			
32.	2005/0071253 A1	Mar-05	Yang			
33.	2005/0107130 A1	May-05	Peterson II			
34.	2005/0136955 A1	Jun-05	Mumick et al.			
35.	2005/0191994 A1	Sep-05	May et al.			
36.	2005/0192061 A1	Sep-05	May et al.			
37.	2005/0273327 A1	Dec-05	Krishnan			
38.	2006/0003803 A1	Jan-06	Thomas et al.			
39.	2006/0075038 A1	Apr-06	Mason et al.			
40.	2006/0168054 A1	Jul-06	Burkhart et al.			
41.	2006/0212561 A1	Sep-06	Feng			
42.	2006/0239419 A1	Oct-06	Joseph et al.			
43.	2006/0259565 A1	Nov-06	Cheung et al.			
44.	2006/0276210 A1	Dec-06	Thomas et al.			
45.	2006/0288099 A1	Dec-06	Jefferson et al.			
46.	2007/0005368 A1	Jan-07	Chutorash et al.			
47.	2007/0047522 A1	Mar-07	Jefferson et al.			
48.	2007/0238474 A1	Oct-07	Ballas			
49.	2008/0261636 A1	Oct-08	Lau et al.			
50.	2010/0114958 A1	May-10	Korenshtein			
51.	2010/0205272 A1	Aug-10	Cheung et al.			
52.	2011/0151582 A1	Jun-11	Basile			
53.	2011/0151852 A1	Jun-11	Olincy et al.			
54.	2014/0242956 A1	Aug-14	Cheung et al.			
55.	2014/0256293 A1	Sep-14	Thomas et al.			
56.	2016/0044474 A1	Feb-16	Cheung et al.			

Examiner	Date Considered
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		Page 3 of 9

57.	2017/0201872 A1	Jul-17	Cheung et al.			
58.	2018/0014169 A1	Jan-18	Cheung et al.			
59.	5,425,516	Jun-95	Daines			
60.	5,548,636	Aug. 96	Bannister et al.			
61.	5,610,970	May-97	Fuller et al.			
62.	5,752,191	May-98	Fuller et al.			
63.	5,758,079	May-98	Ludwig et al.			
64.	5,828,731	Oct-98	Szlam et al.			
65.	5,930,700	Jul-99	Pepper et al.			
66.	5,970,388	Oct-99	Will			
67.	6,119,022	Sep-00	Osborn et al.			
68.	6,327,628 B1	Dec-01	Anuff et al.			
69.	6,359,892 B1	Mar-02	Szlam			
70.	6,463,462 B1	Oct-02	Smith et al.			
71.	6,577,859 B1	Jun-03	Zahavi et al			
72.	6,636,888 B1	Oct-03	Bookspan et al.			
73.	6,665,534 B1	Dec-03	Conklin et al.			
74.	6,788,766 B2	Sep-04	Logan			
75.	6,801,793 B1	Oct-04	Aarnio et al.			
76.	6,816,578 B1	Nov-04	Kredo et al.			
77.	6,819,757 B1	Nov-04	Cook et al.			
78.	6,819,945 B1	Nov-04	Chow et al.			
79.	6,978,136 B2	Dec-05	Jenniges et al.			
80.	7,010,288 B2	Mar-06	Brown et al.			
81.	7,010,332 B1	Mar-06	Irvin et al.			
82.	7,027,842 B2	Apr-06	Zhang et al.			
83.	7,043,261 B1	May-06	Krishnan			
84.	7,072,452 B1	Jul-06	Roberts et al.			
85.	7,085,253 B2	Aug-06	Yang			

Examiner	Date Considered
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86.	7,107,010 B2	Sep-06	Heinonen et al.			
87.	7,110,963 B2	Sep-06	Negreiro			
88.	7,111,044 B2	Sep-06	Lee			
89.	7,116,976 B2	Oct-06	Thomas et al.			
90.	7,188,073 B1	Mar-07	Tam et al.			
91.	7,224,775 B1	May-07	Shaffer et al.			
92.	7,317,706 B1	Jan-08	Hao et al.			
93.	7,346,630 B2	Mar-08	Eichstaedt et al.			
94.	7,376,434 B2	May-08	Thomas et al.			
95.	7,403,972 B1	Jul-08	Lau et al.			
96.	7,686,693 B2	Mar-10	Danieli et al.			
97.	7,729,688 B2	Jun-10	Cheung et al.			
98.	7,792,552 B2	Sep-10	Thomas et al.			
99.	7,890,128 B1	Feb-11	Thomas et al.			
100.	8,112,104 B1	Feb-12	Thomas et al.			
101.	8,280,419 A1	Oct-12	Thomas et al.			
102.	8,353,773 B2	Jan-13	Sasaki et al.			
103.	8,391,459 B2	Mar-13	Jackson et al.			
104.	8,429,231 B2	Apr-13	Wu et al.			
105.	8,737,978 A1	May-14	Thomas et al.			
106.	8,744,407 B2	Jun-14	Cheung et al.			
107.	8,827,811 B2	Sep-14	Kim et al.			
108.	9,204,268 B2	Dec-15	Cheung et al.			
109.	9,555,334 B2	Jan-17	Bernard et al.			
110.	9,736,664 B1	Aug-17	Cheung et al.			
111.	10,142,810 B2	Nov-18	Cheung et al.			
112.	10,183,219 B2	Jan-19	Linden et al.			
113.	10,207,191 B2	Feb-19	Jensen			

Foreign Documents

Examiner	Date Considered
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Init.	Document No.	Date	Country	Class	Subclass	Translation	
						Yes	No
	WO 01/45343 A2	Jun-01	WIPO				
	CN 1453981	Nov. -03	China				
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 May 9, 2012.						
D	Notice of Allowance for U.S. Patent Application No. 12/798,995, dated October 3, 2012.						
E	Notice of Allowance for U.S. Patent Application No. 12/798,995, dated July 16, 2013.						
F	Notice of Allowance for U.S. Patent Application No. 12/798,995, dated October 30, 2013.						
G	Notice of Allowance for U.S. Patent Application No. 12/798,995, dated February 20, 2014.						
H	Office Action for U.S. Patent Application No. 14/272,632, dated July 27, 2015.						
I	Notice of Allowance for U.S. Patent Application No. 14/272,632, dated September 18, 2015.						
J	Office Action for U.S. Patent Application No. 14/922,344, dated April 27, 2016.						
K	Office Action for U.S. Patent Application No. 14/922,344, dated October 7, 2016.						
L	Notice of Allowance for U.S. Patent Application No. 14/922,344, dated February 14, 2017.						
M	Notice of Allowance for U.S. Patent Application No. 14/922,344, dated March 6, 2017.						
N	Notice of Allowance for U.S. Patent Application No. 15/469,440, dated September 6, 2017.						
O	Notice of Allowance for U.S. Patent Application No. 15/469,440, dated December 19, 2017.						
P	Notice of Allowance for U.S. Patent Application No. 15/469,440, dated August 8, 2018.						
Q	Notice of Allowance for U.S. Patent Application No. 15/469,440, dated September 27, 2018.						
R	Notice of Allowance for U.S. Patent Application No. 15/704,181, dated April 27, 2018.						
S	Notice of Allowance for U.S. Patent Application No. 15/704,181, dated August 22, 2018.						
T	Notice of Allowance for U.S. Patent Application No. 15/704,181, dated November 6, 2018.						
U	Notice of Allowance for U.S. Patent Application No. 15/704,181, dated July 2, 2019.						
V	First Office Action for CN Patent Application No. 200680027964.9, dated 3/26/10 (17 pages).						
W	Second Office Action for CN Patent Application No. 200680027964.9, dated 10/25/10 (14 pages).						
X	Third Office Action for CN Patent Application No. 200680027964.9, dated 4/8/11 (11 pages).						
Examiner				Date Considered			

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	Y	Notice of Rejection for CN Patent Application No. 200680027964.9, dated 1/6/12 (11 pgs.)
	Z	AIM Buddy List, https://web.archive.org/web/20050531083304/http://www.aim.com/help_faq/starting_out/buddylist.adp?aolp= , downloaded 8/9/19, 1 pg.
	AA	AIM@ Inside the Sidekick, https://web.archive.org/web/20050519114310/http://mymobile.aol.com/portal/im/pdfs/tmobile/AIM_SIDEKICK_UG_tmobile.pdf , copyright 2002 by America Online, Inc., 13 pgs.
	AB	AIM Registration, https://web.archive.org/web/20041216085601/http://www.aim.com:80/help_faq/starting_out/registration.adp?aolp= , downloaded 8/9/19, 2 pgs.
	AC	"AOL @ Instant Messenger™," https://web.archive.org/web/20050601001345/https://www.aim.com/ , downloaded 8/6/19, 2 pgs.
	AD	"Company Overview", http://www.fastmobile.com/company_overview.html , downloaded 11/5/2003, p. 1.
	AE	Download AIM for Windows, https://web.archive.org/web/20050204020358/http://channels.netscape.com/wrap/linker.jsp?floc=at_oswin_1_l2&ref=http://www.aim.com/get_aim/win/latest_win.adp?aolp=#whatnew , downloaded 8/9/19, 2 pgs.
	AF	"Introducing the Tellme Voice Application Network", Tellme, http://www.tellme.com/products/ , downloaded 10/2/2003, page 1.
	AG	"Iotum History," Iotum Corp., http://iotum.com/simplyrelevant/2006/04/03/iotum-history/ , downloaded May 15, 2006, pages 1-4.
	AH	"messaging", Vodafone Group, 2001, http://www.vodafone.co.nz/business/10.2.3_messaging.jsp , downloaded 10/14/2003, pages 1-2.
	AI	"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.
	AJ	"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.
	AK	"Our Solution," Iotum Corp., http://www.iotum.com/our_solution.php , downloaded May 15, 2006, pages 1-2.
	AL	"Short Message Service/Interactive Voice Response (SMS/IVR), Lucent Technologies, 2003, pages 1-2.
	AM	"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.
	AN	"We bring relevance to communications," Cnet News, Ina Fried, July 21, 2005, pages 1-2.
	AO	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.
Examiner		Date Considered

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		Page 7 of 9

AP	BlackBerry, "Voice and SMS", http://www.blackberry.com/products/service/voices_sms.shtml?DCPID=hmsvoice downloaded 10/2/2003, page 1.
AQ	Bulk, F. "Final Project: Skype," http://www1.cs.columbia.edu/~salman/skype/frank.pdf , May 5, 2004, pp. 23.
AR	Calsyn, Martin and Desseault, Lisa, "Presence Information Protocol Requirements," Internet Draft, February 9, 1998, pages 1-27.
AS	Emergin Inc., "Emergin WirelessOffice 5.0", http://www.emergin.com/?source=overture , downloaded 10/2/2003, page 1.
AT	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.
AU	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.
AV	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.
AW	Internet Traveler, "Welcome to the Inter.Net Communicator Tour!", http://www.inter.net/traveler/tour/communicator_messaging.php , downloaded 10/14/2003, p. 1.
AX	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.
AY	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.
AZ	MSN Messenger Version 7.0, "Messenger," https://web.archive.org/web/20050601023444/http://messenger.msn.com... , downloaded 8/6/19, 2 pgs.
BA	MobileShop, "SMS - also know as text messaging", http://www.mobileshop.org/howitworks.sms.htm , downloaded October 14, 2003, pages 1- 2.
BB	MSN Messenger:mac, https://web.archive.org/web/20050604080622/http://www.microsoft.com/mac/default.aspx?pid=msnmessenger , downloaded 8/9/19, 2 pgs.
BC	MSN Messenger, "Communicate with MSN® Messenger," https://web.archive.org/web/20051013055708/http://www.imagine- msn.com/messenger/post/communicate/instantmessage.aspx , downloaded 8/9/19, 2 pgs.
BD	MSN Messenger, "Download MSN Messenger," https://web.archive.org/web/20050601002632/http://messenger.msn.com/download/ , downloaded 8/9/19, 1 pg.

Examiner	Date Considered
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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.

Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary)	Atty. Docket No.	IPVMCP02C6
	Application No.:	Not Yet Assigned
	Applicant	CHEUNG et al.
	Filing Date	Filed Herewith
	Group	Not Yet Assigned
		Page 8 of 9

BE	MSN Messenger, "Most Frequently Asked Questions," https://web.archive.org/web/20050601014205/http://messenger.msn.com/Help/ , downloaded 8/9/19, 8 pgs.
BF	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.
BG	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.
BH	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.
BI	Skype™, "Skype is free Internet telephony that just works," https://web.archive.org/web/20050601003206/http://www.skype.com , downloaded 8/6/19, 3 pgs.
BJ	Skype™, "Skype is free Internet telephony that just works," https://web.archive.org/web/20050601003206/http://www.skype.com/ , downloaded 8/9/19, 21 pgs.
BK	Skype™, "How to Use Skype," <a href="https://web.archive.org/web/20041229163311/http://www.skype.com/help/guides/usingsky
pe.html">https://web.archive.org/web/20041229163311/http://www.skype.com/help/guides/usingsky pe.html , downloaded 8/9/19, 6 pgs.
BL	Skype™, "How to Add a Contact – User Guide," <a href="https://web.archive.org/web/20041230160101/http://www.skype.com/help/guides/adduser.
html">https://web.archive.org/web/20041230160101/http://www.skype.com/help/guides/adduser. html , 10 pgs.
BM	Skype™, "Registering a Skype Name – User Guide," <a href="https://web.archive.org/web/20041229042631/http://www.skype.com/help/guides/registrati
on.html">https://web.archive.org/web/20041229042631/http://www.skype.com/help/guides/registrati on.html , 10 pgs.
BN	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.
BO	Symbian Ltd., "Symbian OS Version 7.0: Functional description", Revision 1.5, February 2003, pages 1-24.
BP	Symbian Ltd., "Symbian OS Version 7.0s: Functional description", Revision 2.1, June 2003, pages 1-29.
BQ	Symbian Ltd., "Technology: Creating Symbian OS phones", http://www.symbian.com/technology/create-symb-OS-phones.html , downloaded 11/5/2003, page 1-8.
BR	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.
BS	Using AIM on Windows – Video IM, <a href="https://web.archive.org/web/20050307231707/http://www.aim.com/help_faq/using/win/vide
o_im.adp?aolp=">https://web.archive.org/web/20050307231707/http://www.aim.com/help_faq/using/win/vide o_im.adp?aolp= , downloaded 8/9/19, 2 pgs.
BT	Using AIM on Windows - March 8, 2005, <a href="https://web.archive.org/web/20050308012857/http://www.aim.com/help_faq/using/win/aim
talk.adp?aolp=">https://web.archive.org/web/20050308012857/http://www.aim.com/help_faq/using/win/aim talk.adp?aolp= , downloaded 8/9/19, 2 pgs.

Examiner	Date Considered
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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.

Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary)	Atty. Docket No.	IPVMCP02C6
	Application No.:	Not Yet Assigned
	Applicant	CHEUNG et al.
	Filing Date	Filed Herewith
	Group	Not Yet Assigned
		Page 9 of 9

	BU	Using AIM on Windows – March 5, 2005, https://web.archive.org/web/20050305095328/http://www.aim.com:80/help_faq/using/win/instant_message.adp?aolp= , downloaded 8/9/19, 2 pgs.
	BV	Verizon Wireless, "TXT messaging", http://www.vtext.com/customer_site/jsp/messaging_lo.jsp , downloaded 10/2/2003, page 1.
	BW	W3C, "Voice Extensible Markup Language (VoiceXML) Version 2.0, W3C, www.w3.org , February 20, 2003.
	BX	Yahoo!Messenger, "Yahoo!Messenger Talk for Free!", http://messenger.yahoo.com/messenger/help/voicechat.html , downloaded 10/2/2003, pages 1-2.
	BY	"Yahoo! Messenger," https://web.archive.org/web/20050601012258/http://messenger.yahoo.com , downloaded 8/6/19, 1 pg.
	BZ	"Yahoo! Messenger," https://web.archive.org/web/20050601042101/http://messenger.yahoo.com/newtoim.php , downloaded 8/9/19, 3 pgs.
	CA	"Yahoo! Help – All-New Messenger 6.0," https://web.archive.org/web/20040806142252/http://help.yahoo.com/help/us/messenger/w/in/abuse/abuse-02.html , downloaded 8/9/19, 2 pgs.

Examiner	Date Considered
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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.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	IPVMCP02C6
		Application Number	
Title of Invention	METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION		
The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.			

Secrecy Order 37 CFR 5.2:

<input type="checkbox"/>	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.)
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Inventor Information:

Inventor 1				
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		
Postal Code		Country ⁱ	HK	
Inventor 2				
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 ⁱ 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				
Legal Name				

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	IPVMCP02C6
		Application Number	
Title of Invention	METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION		

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 ⁱ
				US

Mailing Address of Inventor:

Address 1	4010 Moorpark Avenue			
Address 2	Suite 211			
City	San Jose	State/Province	CA	
Postal Code	95117	Country ⁱ	US	

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

Correspondence Information:

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

An Address is being provided for the correspondence information of this application.

Customer Number	34071		
Email Address	peter@ipventure.com	<input type="button" value="Add Email"/>	<input type="button" value="Remove Email"/>

Application Information:

Title of the Invention	METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION		
Attorney Docket Number	IPVMCP02C6	Small Entity Status Claimed	<input checked="" type="checkbox"/>
Application Type			
Subject Matter			
Total Number of Drawing Sheets (if any)	9	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

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	IPVMCP02C6
		Application Number	
Title of Invention	METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION		

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				
Prefix	Given Name	Middle Name	Family Name	Suffix	<input type="button" value="Remove"/>
Registration Number					
Prefix	Given Name	Middle Name	Family Name	Suffix	<input type="button" value="Remove"/>
Registration Number					

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, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

When referring to the current application, please leave the "Application Number" field blank.

Prior Application Status	Pending	<input type="button" value="Remove"/>	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Continuation of	15704181	2017-09-14

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	IPVMCP02C6
		Application Number	
Title of Invention	METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION		

Prior Application Status		Patented		<input type="button" value="Remove"/>	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15704181	Continuation of	15469440	2017-03-24	10142810	2018-11-27
Prior Application Status		Patented		<input type="button" value="Remove"/>	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15469440	Continuation of	14922344	2015-10-26	9736664	2017-08-15
Prior Application Status		Patented		<input type="button" value="Remove"/>	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14922344	Continuation of	14272632	2014-05-08	9204268	2015-12-01
Prior Application Status		Patented		<input type="button" value="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		<input type="button" value="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		<input type="button" value="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		Pending		<input type="button" value="Remove"/>	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
11006343	Claims benefit of provisional	60527565	2003-12-08		
Prior Application Status		Pending		<input type="button" value="Remove"/>	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) 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.					

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	IPVMCP02C6
		Application Number	
Title of Invention	METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION		

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 ⁱ	Filing Date (YYYY-MM-DD)	Access Code ⁱ (if applicable)

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

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.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	IPVMCP02C6
		Application Number	
Title of Invention	METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION		

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

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.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	IPVMCP02C6
		Application Number	
Title of Invention	METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION		

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:			
If the Applicant is an Organization check here. <input checked="" type="checkbox"/>			
Organization Name	IpVenture, Inc.		
Mailing Address Information For Applicant:			
Address 1	4010 Moorpark Avenue		
Address 2	Suite 211		
City	San Jose	State/Province	CA
Country ¹	US	Postal Code	95117
Phone Number	650-903-9200	Fax Number	650-903-9800
Email Address	peter@ipventure.com		
Additional Applicant Data may be generated within this form by selecting the Add button.			

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	IPVMCP02C6
		Application Number	
Title of Invention	METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION		

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 i		Postal Code		
Phone Number		Fax Number		
Email Address				
Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.				

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	IPVMCP02C6
		Application Number	
Title of Invention	METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION		

Signature:

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

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

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

Signature	/Peter P. Tong/			Date (YYYY-MM-DD)	
First Name	Peter	Last Name	Tong	Registration Number	35757

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

**METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING
DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT
REQUIRING TO DISCLOSE CONTACT INFORMATION**

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application is a continuation of U.S. Patent Application No. 15/704,181, filed September 14, 2017, and entitled "METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT OPTIONS OF COMMUNICATION DEPENDING ON ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION," which is hereby incorporated herein by reference, which application is a continuation of U.S. Patent Application No. 15/469,440, filed March 24, 2017, now U.S. Patent No. 10,142,810, and entitled "A NETWORK-BASED PORTAL TO MANAGE COMMUNICATION," which is hereby incorporated herein by reference, which application is a continuation of U.S. Patent Application No. 14/922,344, filed October 26, 2015, now U.S. Patent No. 9,736,664, 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 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 herein 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] Figure 6 is a communication system according to one embodiment of the invention.

[00019] Figure 7 is a flow diagram of a personal call response process according to one embodiment of the invention.

[00020] Figure 8 is a flow diagram of an audio message response process according to one embodiment of the invention.

[00021] Figure 9 is a flow diagram of a text message response process according to one embodiment of the invention.

[00022] Figure 10 is a flow diagram of an automated call response process according to one embodiment of the invention.

[00023] Figure 11 is a flow diagram of a message presentation process according to one embodiment of the invention.

[00024] Figure 12 is a flow diagram of a message presentation process according to one embodiment of the invention.

[00025] Same numerals in Figures 1-12 are assigned to similar elements in all the figures. Embodiments of the invention are discussed below with reference to Figures 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.

DETAILED DESCRIPTION OF THE INVENTION

[00026] 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.

[00027] 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.

[00028] 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.

[00029] 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.

[00030] 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.

[00031] 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.

[00032] 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.

[00033] 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.

[00034] 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.

[00035] 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.

[00036] 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.

[00037] 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.

[00038] 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.

[00039] 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.

[00040] 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.

[00041] 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.

[00042] 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

[00043] 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.

[00044] 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.

[00045] 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.

[00046] 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.

[00047] 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.

[00048] 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.

[00049] 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.

[00050] 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.

[00051] 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.

[00052] 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.

[00053] 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.

[00054] 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.

[00055] 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.

[00056] 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.

[00057] 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.

[00058] 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.

[00059] 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.

[00060] 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.

[00061] 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.

[00062] 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.

[00063] 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.

[00064] 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).

[00065] 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.

[00066] 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.

[00067] 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.

[00068] 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").

[00069] 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.

[00070] 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.

[00071] 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).

[00072] 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.

[00073] 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.

[00074] 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.

[00075] 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).

[00076] 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).

[00077] 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.

[00078] 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.

[00079] 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).

[00080] 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.

[00081] 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.

[00082] 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).

[00083] 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.

[00084] 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.

[00085] An exemplary scenario of how the previously described automatic call response process could work according to one implementation is as follows:

[00086] 1. From his mobile phone, Bill calls Tom's mobile phone.

[00087] 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.

[00088] 3. Tom can choose to answer the incoming call or decline to answer the call.

[00089] 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.

[00090] 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."

[00091] 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.

[00092] 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.

[00093] 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.

[00094] 9. Tom can also not provide an audio message or a text message and simply let the incoming call roll-over into voice mail.

[00095] 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.

[00096] 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.

[00097] 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.

[00098] 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.

[00099] 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.

[000100] 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).

[000101] 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.

[000102] 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.

[000103] 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.

[000104] 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.

[000105] 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.

[000106] 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.

[000107] 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).

[000108] 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.

[000109] 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.

[000110] 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.

[000111] An exemplary scenario of how message presentation and reply message processes could work according to one implementation of the second aspect is as follows:

[000112] 1. From his mobile phone, Bill prepares and sends a text message to Tom's mobile phone.

[000113] 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.

[000114] 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.

[000115] 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.

[000116] 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.

[000117] 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.

[000118] 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.

[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.

[000120] 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).

[000121] 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.

[000122] 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.

[000123] Additionally, the messages being transmitted can be encrypted for security purposes.

[000124] 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.

[000125] 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.

[000126] 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.

[000127] 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.

[000128] 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.

[000129] 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.

[000130] 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.

What is claimed is:

CLAIMS

1. A computer-implemented method to facilitate electronic communication of a plurality of users using at least a network-based portal at least based on Internet protocol, with a plurality of modes of communication available for the plurality of users to communicate, with each of the plurality of users having an identifier for use with the plurality of modes of communication, and without requiring the plurality of users to disclose their contact information to each other, the method comprising: providing a plurality of modes of communication to a first user to allow the first user to use one of the plurality of modes of communication as a selected mode of communication for a first message to be sent from the first user to a second user, based on an identifier associated with the first user previously set by the first user via the network-based portal,

wherein the plurality of modes of communication supported by the network-based portal include at least text communication using a personal computer, voice communication using a personal computer, and communication with at least an image, and

wherein messages are eligible to be received electronically by the second user via the network-based portal, based on any of the plurality of modes of communication, all depending on an identifier associated with the second user previously set by the second user via the network-based portal, which allows the second user to efficiently maintain the second user's communication using the plurality of modes of communication;

permitting the second user to block the first user from using at least the selected mode of communication to communicate with the second user via the network-based portal, based on the identifier associated with the first user;

enabling the first message to be electronically provided to the second user, using the selected mode of communication, depending on the identifier associated with the second user, in view of the second user not blocking the first user from using the selected mode of communication to communicate with the second user, via the network-based portal;

determining availability of the second user related to receiving messages; receiving, from the second user, contact information associated with the second user to allow the second user to participate and at least receive messages via the network-based portal; and

receiving a second message from the second user to the first user, to respond to the first message, after the second user has received the first message, wherein one of the first message or the second message is voice and the other of the first message or the second message is text,

wherein even when the first message is received by the second user via the selected mode of communication, the contact information associated with the second user is not provided via the network-based portal to the first user, and contact information associated with the first user is not provided via the network-based portal to the second user, so as to provide an option to the second user to keep the contact information associated with the second user confidential from the first user, and to provide an option to the first user to keep the contact information associated with the first user confidential from the second user, and

wherein the identifier associated with the second user is distinct from the contact information associated with the second user, and the identifier associated with the first user is distinct from the contact information associated with the first user.

2. A computer-implemented method as recited in claim 1 comprising enabling a message to be provided to the second user from the first user, with the message based on a mode of communication that is different from the selected mode, even though the second user has blocked the first user from using the selected mode of communication to communicate with the second user.

3. A computer-implemented method as recited in claim 2, wherein the mode of communication different from the selected mode includes communication with at least an image and communication in an audio manner.

4. A computer-implemented method as recited in claim 3 comprising permitting the second user to block the first user from using the mode of communication different from the selected mode to communicate with the second user via the network-based portal, based on the identifier associated with the first user.

5. A computer-implemented method as recited in claim 1 comprising enabling the second user to select a predetermined message to send to the first user, the predetermined message being selected from a set of predetermined messages provided to the second user.

6. A computer-implemented method as recited in claim 1, wherein the plurality of modes of communication supported by the network-based portal include at least communication using an electronic device without a computer keyboard, so that the method supports a user to use an electronic device with a computer keyboard to communicate with another user using an electronic device without a computer keyboard.

7. A computer-implemented method as recited in claim 1 comprising: receiving an indication from the second user for the first user via the network-based portal to generate an urgent notification for the first user; and enabling the urgent notification to be generated to notify the first user at least in view of receiving the indication.

8. A computer-implemented method as recited in claim 7, wherein the urgent notification is enabled to be generated at least in an audio manner.

9. A computer-implemented method as recited in claim 1 comprising enabling an urgent notification to be provided to the second user from the first user, even though the second user has blocked the first user from using the selected mode of communication to communicate with the second user.

10. A computer-implemented method as recited in claim 1,
wherein the first message is a text message, and
wherein the method comprises transforming the first message into a voice message so that the first message is received by the second user in an audio manner via a speaker if the first user is not blocked from using the selected mode of communication to communicate with the second user.
11. A computer-implemented method as recited in claim 10, wherein the method comprises receiving a voice message from the second user to the first user, and transforming the voice message into a text message to be received by the first 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.

Electronic Patent Application Fee Transmittal

Application Number:				
Filing Date:				
Title of Invention:	METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION			
First Named Inventor/Applicant Name:	Kwok Wai Cheung			
Filer:	Peter P. Tong/Angela Nijim			
Attorney Docket Number:	IPVMCP02C6			
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
UTILITY FILING FEE (ELECTRONIC FILING)*	4011	1	75	75
UTILITY SEARCH FEE	2111	1	330	330
UTILITY EXAMINATION FEE	2311	1	380	380
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

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

Electronic Acknowledgement Receipt

EFS ID:	37013468
Application Number:	16556205
International Application Number:	
Confirmation Number:	5174
Title of Invention:	METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION
First Named Inventor/Applicant Name:	Kwok Wal Cheung
Customer Number:	34071
Filer:	Peter P. Tong/Angela Nijim
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Application Type:	Utility under 35 USC 111(a)

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Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$785
RAM confirmation Number	E20198SN13250150
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	Transmittal of New Application	IPVMCP02C6_AppTrans.pdf	299147 9b138988060492537901751w2160652bc0 0a80f	no	2
Warnings:					
Information:					
2	Drawings-only black and white line drawings	IPVMCP02C6_FormalDrawings.pdf	99734 2a1c096c280791d75d3899552f926608f 16555	no	9
Warnings:					
Information:					
3	Oath or Declaration filed	IPVMCP02C6_DecFromParent.pdf	298797 cc0b464629036c51319598f7a3c2f42907 29	no	3
Warnings:					
Information:					
4	Assignee showing of ownership per 37 CFR 3.73	IPVMCP02C6_Statement373c.pdf	118051 54f1f03d5291186ac6430d8c2623572d06b 93c	no	3
Warnings:					
Information:					
5	Power of Attorney	IPVMCP02C6_PoA.pdf	626153 0fa4237f508842681430f1107b0963e55e #70e	no	2
Warnings:					
Information:					
6	Transmittal Letter	IPVMCP02C6_IDSTrans.pdf	24032 f77c7020663570e42d8881e389#0232e205 14067	no	2
Warnings:					
Information:					

7	Information Disclosure Statement (IDS) Form (SB08)	IPVMCP02C6_1449.pdf	81271 c05cc00m20i77e07d0e0a13c61d8d9a2f8-65d	no	9
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
8	Application Data Sheet	WebADS.pdf	167448 e776e050a096306cb5837e101e77e8cc02282f6	no	9
Warnings:					
Information:					
9		IPVMCP02C6_Application.pdf	206306 10a4622e19992b1f20030300c015a04055c1e1f03c	yes	39
Multipart Description/PDF files in .zip description					
Document Description		Start	End		
Specification		1	34		
Claims		35	38		
Abstract		39	39		
Warnings:					
Information:					
10	Fee Worksheet (SB06)	fee-info.pdf	35524 dab42aa750f5c038857102f050e0c98ec7c36rm5	no	2
Warnings:					
Information:					
Total Files Size (in bytes):				1956463	

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number
16/556,205

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	75		N/A	
SEARCH FEE (37 CFR 1.16(k), (l), or (m))		N/A	N/A	N/A	330		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))		N/A	N/A	N/A	380		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))		11	minus 20 =	x 50 =	0.00	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))		1	minus 3 =	x 230 =	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	785		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>									



UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE RECD	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
16/556,205	08/29/2019	2683	785	IPVMCP02C6	11	1

CONFIRMATION NO. 5174

FILING RECEIPT



34071
IPVENTURE, INC.
4010 Moorpark Avenue
Suite 211
San Jose, CA 95117

Date Mailed: 09/11/2019

Receipt is acknowledged of this non-provisional utility 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 FIRST INVENTOR, 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 corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction 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 provided that the request is grantable.

Inventor(s)

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

Applicant(s)

IpVenture, Inc., San Jose, 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 15/704,181 09/14/2017
which is a CON of 15/469,440 03/24/2017 PAT 10142810
which is a CON of 14/922,344 10/26/2015 PAT 9736664
which 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: Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 09/11/2019

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 16/556,205**

Projected Publication Date: 12/19/2019

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT
COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE
CONTACT INFORMATION

Preliminary Class

340

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

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NOT GRANTED

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Electronic Acknowledgement Receipt

EFS ID:	37510499
Application Number:	16556205
International Application Number:	
Confirmation Number:	5174
Title of Invention:	METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION
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:	IPVMCP02C6
Receipt Date:	22-OCT-2019
Filing Date:	29-AUG-2019
Time Stamp:	12:36:22
Application Type:	Utility under 35 USC 111(a)

Payment information:

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	Miscellaneous Incoming Letter	IPVMCP02C6_PrelAmdTrans_A sFiled_10-19.pdf	20468 <small>17273040c1c1f0a05f420cc64d159aax06327 19407%</small>	no	1

Warnings:

Information:					
2	Preliminary Amendment	IPVMCP02C6_PrelAmd_AsFiled_10-19.pdf	46197	na	8
			0961707d1f6b16ecc00a89cc005272801921280e0		
Warnings:					
Information:					
Total Files Size (in bytes):				66665	
<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.: IPVMCP02C6

Application No.: 16/556,205

Examiner: DOAN, KIET M.

Filed: August 29, 2019

Group: 2641

Title: METHOD AND APPARATUS TO MANAGE
MESSAGING PROVIDING DIFFERENT
COMMUNICATION MODES USING ONE
IDENTIFIER AND NOT REQUIRING TO
DISCLOSE CONTACT INFORMATION

PRELIMINARY AMENDMENT TRANSMITTAL

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

Sir:

Transmitted herewith is a Preliminary 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	17	MINUS	20	00	x 50 =	x 100 =
Independent Claims	1	MINUS	3	00	x 230 =	x 460 =
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. IPVMCP02C6).
- 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. IPVMCP02C6).

Respectfully submitted,

/Peter P. Tong/

Peter P. Tong
Reg. No. 35,757

Appln. No. 16/556,205

Atty. Docket No. IPVMCP02C6

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: CHEUNG et al. Attorney Docket No.: IPVMCP02C6

Application No.: 16/556,205 Examiner: DOAN, KIET M.

Filed: August 29, 2019 Group: 2641

Title: METHOD AND APPARATUS TO
MANAGE MESSAGING PROVIDING
DIFFERENT COMMUNICATION
MODES USING ONE IDENTIFIER
AND NOT REQUIRING TO DISCLOSE
CONTACT INFORMATION

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
October 21, 2019.

Signed: _____/Angela D. Niiim/_____ Printed Name: _____Angela D. Niiim/_____

PRELIMINARY AMENDMENT

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

Dear Sir:

Prior to an Office Action on the merits, please amend the above-identified
as follows:

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

Remarks/Arguments begin on page 8 of this paper.

Amendments to the Claims:

Please amend the claims as follows:

Claims:

1. (Currently amended) A computer-implemented method to facilitate electronic communication of a plurality of users using at least a network-based portal at least based on Internet protocol, ~~with a plurality of modes of communication available for the plurality of users to communicate, with each of the plurality of users having an identifier for use with the plurality of modes of communication, and without requiring the plurality of users to disclose their contact information to each other,~~ the method comprising:

providing a plurality of modes of communication to a first user to allow the first user to use one of the plurality of modes of communication as a selected mode of communication for a first message to be sent from the first user to a second user, based on an identifier associated with the first user previously set by the first user via the network-based portal,

wherein the plurality of modes of communication supported by the network-based portal include at least text communication using a personal computer, voice communication using a personal computer, and communication with at least an image, and

wherein messages are eligible to be received ~~electronically~~ by the second user via the network-based portal, based on any of the plurality of modes of communication, all depending on an identifier associated with the second user previously set by the second user via the network-based portal, which allows the second user to efficiently maintain the second user's communication using the plurality of modes of communication;

~~permitting~~ enabling the second user to block the first user from using at least the selected mode of communication to communicate with the second user via the network-based portal, based on the identifier associated with the first user;

enabling the first message to be ~~electronically~~ provided to the second user, using the selected mode of communication, depending on the identifier associated

with the second user, in view of the second user not blocking the first user from using the selected mode of communication to communicate with the second user, via the network-based portal;

~~determining availability of the second user related to receiving messages;~~

~~receiving, from the second user, contact information associated with the second user to allow the second user to participate and at least receive messages via the network-based portal; and~~

receiving a second message from the second user to the first user, to respond to the first message, after the second user has received the first message,

wherein one of the first message or the second message is voice and the other of the first message or the second message is text,

wherein even when the first message is received by the second user via the selected mode of communication, ~~the~~ contact information associated with the second user and provided by the second user to the network-based portal is not provided via the network-based portal to the first user, and contact information associated with the first user and provided by the first user to the network-based portal is not provided via the network-based portal to the second user, so as to provide an option to the second user to keep the contact information associated with the second user confidential from the first user, and to provide an option to the first user to keep the contact information associated with the first user confidential from the second user, and

wherein the identifier associated with the second user is distinct from the contact information associated with the second user, and the identifier associated with the first user is distinct from the contact information associated with the first user,

wherein the contact information associated with the second user includes at least one of a phone number or an email address of the second user, and

wherein the contact information associated with the first user includes at least one of a phone number or an email address of the first user.

2. (Original) A computer-implemented method as recited in claim 1 comprising enabling a message to be provided to the second user from the first user, with the message based on a mode of communication that is different from the selected mode, even though the second user has blocked the first user from using the selected mode of communication to communicate with the second user.

3. (Original) A computer-implemented method as recited in claim 2, wherein the mode of communication different from the selected mode includes communication with at least an image and communication in an audio manner.

4. (Currently amended) A computer-implemented method as recited in ~~claim 3~~ claim 2 comprising ~~permitting~~ enabling a message to be provided to the second user from another user using the selected mode to communicate ~~the second user to block the first user from using, but not enabling messages to be provided to the second user from the another user using the mode of communication different from the selected mode to communicate with the second user,~~ via the network-based portal, ~~based on the identifier associated with the first user.~~

5. (Currently amended) A computer-implemented method as recited in claim 1 comprising:

enabling a message to be provided to the second user from the first user, with the message based on a mode of communication that is different from the selected mode; and

enabling a message to be provided to the second user from another user using the selected mode to communication, but not enabling messages to be provided to the second user from the another user using the mode of communication different from the selected mode, via the network-based portal ~~the second user to select a predetermined message to send to the first user, the predetermined message being selected from a set of predetermined messages provided to the second user.~~

6. (Currently amended) A computer-implemented method as recited in claim 1, wherein the plurality of modes of communication supported by the network-based portal include at least communication using an electronic device without a computer keyboard, and wherein ~~so that~~ the method supports a user to use an electronic device with a computer keyboard to communicate with another user using an electronic device without a computer keyboard.

7. (Original) A computer-implemented method as recited in claim 1 comprising:

receiving an indication from the second user for the first user via the network-based portal to generate an urgent notification for the first user; and

enabling the urgent notification to be generated to notify the first user at least in view of receiving the indication.

8. (Original) A computer-implemented method as recited in claim 7, wherein the urgent notification is enabled to be generated at least in an audio manner.

9. (Original) A computer-implemented method as recited in claim 1 comprising enabling an urgent notification to be provided to the second user from the first user, even though the second user has blocked the first user from using the selected mode of communication to communicate with the second user.

10. (Currently amended) A computer-implemented method as recited in claim 1,

wherein the first message is a text message, and

wherein the method comprises transforming the first message into a voice message so that the first message is provided to ~~received by~~ the second user in an audio manner via a speaker if the first user is not blocked from using the selected mode of communication to communicate with the second user.

11. (Currently amended) A computer-implemented method as recited in claim 10, wherein the method comprises ~~receiving a voice message from the~~

~~second user to the first user, and transforming the second message from voice message into text a text message to be received by provided to the first user.~~

12. (New) A computer-implemented method as recited in claim 1, wherein the method comprises:

keeping track of the number of times the second user has blocked the first user to communicate with the second user; and

blocking the first user to communicate with the second user at least via the selected mode of communication after the number of times has reached a preset number.

13. (New) A computer-implemented method as recited in claim 12, wherein the method comprises asking the second user for permission before blocking the first user to communicate with the second user at least via the selected mode of communication.

14. (New) A computer-implemented method as recited in claim 1, wherein the method comprises receiving at least an indication from the second user specifying the first user having a right to access the second user before messages are eligible to be provided to the second user from the first user via the network-based portal.

15. (New) A computer-implemented method as recited in claim 1, wherein the method comprises:

determining availability of the second user related to receiving messages; and

sending data to the first user regarding the availability of the second user related to receiving messages.

16. (New) A computer-implemented method as recited in claim 1 comprising enabling the second user to select a predetermined message to send to the first user, the predetermined message being selected from a set of predetermined messages provided to the second user.

17. (New) A computer-implemented method as recited in claim 1 wherein the plurality of communication modes include at least text communication using a mobile phone, and voice communication using a mobile phone.

REMARKS

Applicants previously presented claims 1 through 11 for examination. In this preliminary amendment, Applicants have amended claims 1, 4-6, 10 and 11; and have added claims 12-17. Accordingly, claims 1-17 are in the application. 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,

/Peter P. Tong/

Peter P. Tong
Reg. No. 35,757

(650) 903-9200, x102

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 16/556,205	Filing Date 08/29/2019	<input type="checkbox"/> To be Mailed
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ENTITY: LARGE SMALL MICRO

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) 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 \$50 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 = *		x \$230 =	
<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)	RATE (\$)	ADDITIONAL FEE (\$)
AMENDMENT	10/22/2019		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	
	Total (37 CFR 1.16(o))	* 17	Minus	** 20	= 0	x \$50 = 0
	Independent (37 CFR 1.16(m))	* 1	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)	RATE (\$)	ADDITIONAL FEE (\$)
AMENDMENT			CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	
	Total (37 CFR 1.16(o))	*	Minus	**	=	x \$0 =
	Independent (37 CFR 1.16(m))	*	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

* 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.



UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
16/556,205	08/29/2019	Kwok Wai Cheung	IPVMCP02C6

CONFIRMATION NO. 5174

PUBLICATION NOTICE



34071
IPVENTURE, INC.
4010 Moorpark Avenue
Suite 211
San Jose, CA 95117

Title:METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION

Publication No.US-2019-0387371-A1

Publication Date:12/19/2019

NOTICE OF PUBLICATION OF APPLICATION

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

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

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

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

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

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

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	16556205	
Filing Date	29-Aug-2019	
First Named Inventor	Kwok Cheung	
Attorney Docket Number	IPVMCP02C6	
Title of Invention	METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION	
<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>10492038</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. <p><input checked="" type="radio"/> Terminal disclaimer fee under 37 CFR 1.20(d) is included with Electronic Terminal Disclaimer request.</p>		

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:	16556205			
Filing Date:	29-Aug-2019			
Title of Invention:	METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION			
First Named Inventor/Applicant Name:	Kwok Wai Cheung			
Filer:	Peter P. Tong/Angela Nijim			
Attorney Docket Number:	IPVMCP02C6			
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.: 16556205

Filing Date: 29-Aug-2019

Applicant/Patent under Reexamination: Cheung

Electronic Terminal Disclaimer filed on January 30, 2020

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:	38427924
Application Number:	16556205
International Application Number:	
Confirmation Number:	5174
Title of Invention:	METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION
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:	IPVMCP02C6
Receipt Date:	30-JAN-2020
Filing Date:	29-AUG-2019
Time Stamp:	17:45:50
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	E20201TH45465402
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	Terminal Disclaimer-Filed (Electronic)	eTerminal-Disclaimer.pdf	33619 2651ed1d58a0e0f2c15c540d077ebac9119630df	no	2

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	30813 9b74eeb11d0aa58f524dd51228527070cc45122	no	2
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Warnings:

Information:

Total Files Size (in bytes):			64432		
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This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: CHEUNG et al.

Attorney Docket No.: IPVMCP02C6

Application No.: 16/556,205

Examiner: DOAN, KIET M.

Filed: August 29, 2019

Group: 2641

Title: METHOD AND APPARATUS TO MANAGE
MESSAGING PROVIDING DIFFERENT
COMMUNICATION MODES USING ONE
IDENTIFIER AND NOT REQUIRING TO
DISCLOSE CONTACT INFORMATION

TRANSMITTAL

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

Sir:

Applicants respectfully disagree to any potential rejections on the ground of double patenting of pending claims as being unpatentable over claims of U.S. Patent No. 10,492,038. However, to expedite the prosecution, Applicants have submitted a terminal disclaimer to obviate any such potential rejections.

Respectfully submitted,

/Peter P. Tong/

Peter P. Tong
Reg. No. 35,757

Electronic Acknowledgement Receipt

EFS ID:	38451107
Application Number:	16556205
International Application Number:	
Confirmation Number:	5174
Title of Invention:	METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION
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:	IPVMCP02C6
Receipt Date:	30-JAN-2020
Filing Date:	29-AUG-2019
Time Stamp:	17:50:00
Application Type:	Utility under 35 USC 111(a)

Payment information:

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	Miscellaneous Incoming Letter	IPVMCP02C6_Transmittal_eTD_1-20.pdf	17445 <small>614e3512417ef4e151e4e1c310e146de0027086e8</small>	no	1

Warnings:

Information:	
Total Files Size (in bytes):	17445
<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>	

Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary)	Atty. Docket No.	IPVMCP02C6
	Application No.:	16/556,205
	Applicant	CHEUNG et al.
	Filing Date	August 29, 2019
	Group	2641
		Page 1 of 1

U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	1.	2004/0203794 A1	Oct-04	Brown et al.			
	2.	10,492,038 B2	Nov-19	Cheung et al.			
	3.						
	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	Office Action for U.S. Patent Application No. 12/798,995, dated April 11, 2011.
B	
C	
D	
E	
F	
G	
H	
I	

Examiner	Date Considered
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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.

Electronic Acknowledgement Receipt

EFS ID:	3861016T
Application Number:	16556205
International Application Number:	
Confirmation Number:	5174
Title of Invention:	METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION
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:	IPVMCP02C6
Receipt Date:	19-FEB-2020
Filing Date:	29-AUG-2019
Time Stamp:	11:50:21
Application Type:	Utility under 35 USC 111(a)

Payment information:

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	Transmittal Letter	IPVMCP02C6_IDSTrans_2-18-2019.pdf	22578 5110d157a2d2726f8b0c5e67e026a966926a8b05522f4	no	2

Warnings:

Information:					
2	Information Disclosure Statement (IDS) Form (SB08)	JPVMCP02C6_1449_2-28-20.pdf	21472	no	1
			723c99115e411abd3795e0a0c3f26a12460c429e		
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
			Total Files Size (in bytes):	44050	
<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.: IPVMCP02C6

Application No.: 16/556,205

Examiner: DOAN, KIET M.

Filed: August 29, 2019

Group: 2641

Title: METHOD AND APPARATUS TO
MANAGE MESSAGING PROVIDING
DIFFERENT COMMUNICATION MODES
USING ONE IDENTIFIER AND NOT
REQUIRING TO DISCLOSE CONTACT
INFORMATION

**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. IPVMCP02C6).

Respectfully submitted,

/Peter P. Tong/

Peter P. Tong
Registration No. 35,757

4010 Moorpark Avenue
Suite 211
San Jose, CA 95117



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 02/25/2020
IPVENTURE, INC.
4010 Moorpark Avenue
Suite 211
San Jose, CA 95117

EXAMINER

DOAN, KIET M

ART UNIT PAPER NUMBER

2641

DATE MAILED: 02/25/2020

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
16/556,205 08/29/2019 Kwok Wai Cheung IPVMCP02C6 5174

TITLE OF INVENTION: METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION

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 \$500 \$0.00 \$0.00 \$500 05/26/2020

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

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

HOW TO REPLY TO THIS NOTICE:

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

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

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

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

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

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

IMPORTANT REMINDER: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at www.uspto.gov/PatentMaintenanceFees.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450

By fax, send to: (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 02/25/2020
 IPVENTURE, INC.
 4010 Moorpark Avenue
 Suite 211
 San Jose, CA 95117

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 transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

_____ (Typed or printed name)
_____ (Signature)
_____ (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/556,205	08/29/2019	Kwok Wai Cheung	IPVMCP02C6	5174

TITLE OF INVENTION: METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$500	\$0.00	\$0.00	\$500	05/26/2020

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 03-09 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 must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). 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. Fees submitted: Issue Fee Publication Fee (if required) Advance Order - # of Copies _____

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

- Electronic Payment via EFS-Web Enclosed check Non-electronic payment by credit card (Attach form PTO-2038)
- The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

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.
Row 1: 16/556,205, 08/29/2019, Kwok Wai Cheung, IPVMCP02C6, 5174
Row 2: 34071, 7590, 02/25/2020, (Empty), (Empty)
Row 3: (Empty), (Empty), (Empty), EXAMINER, (Empty)
Row 4: (Empty), (Empty), (Empty), DOAN, KIET M, (Empty)
Row 5: (Empty), (Empty), (Empty), ART UNIT, PAPER NUMBER
Row 6: (Empty), (Empty), (Empty), 2641, (Empty)
Row 7: (Empty), (Empty), (Empty), DATE MAILED: 02/25/2020, (Empty)

IPVENTURE, INC.
4010 Moorpark Avenue
Suite 211
San Jose, CA 95117

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 30 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. 16/556,205	Applicant(s) Cheung et al.	
	Examiner KIET M DOAN	Art Unit 2641	AIA (FITF) 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 08/29/2019.
 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 1-17. 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 checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ | |

/KIET M DOAN/
Primary Examiner, Art Unit 2641

DETAILED ACTION

Notice of Pre-AIA or AIA Status

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

Information Disclosure Statement

The information disclosure statement (IDS) submitted on 08/29/2019 and 02/19/2020. 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 08/29/2019 these drawing are acceptable by the examiner.

Allowable Subject Matter

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

- 1) Terminal Disclaimer filed and approved.
- 2) Claims 1-17 are allowance according the history rejection of Application 12/798,995 now US Patent 8,744,407. Application 14/922,344 now US patent 9,736,664.

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 M DOAN whose telephone number is (571)272-7863. The examiner can normally be reached on M-F 9:30am-5:30pm.

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.

Application/Control Number: 16/556,205
Art Unit: 2641

Page 4

/KIET M DOAN/
Primary Examiner, Art Unit 2641

Examiner-Initiated Interview Summary	Application No. 16/556,205	Applicant(s) Cheung et al.	
	Examiner KIET M DOAN	Art Unit 2641	AIA (FITF) Status No

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

(1) KIET M. DOAN. (3) _____

(2) Peter Tong. (4) _____

Date of Interview: 29 January 2020.

Type: Telephonic Video Conference
 Personal [copy given to: applicant applicant's representative]

Exhibit shown or demonstration conducted: Yes No.
If Yes, brief description: _____.

Issues Discussed 101 112 102 103 Others
(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion.)

Claim(s) discussed: N/A.

Identification of prior art discussed: N/A.

Substance of Interview
(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)


The examiner contacted and discussed with Applicant Representative Peter Tong regarding the suggestion of filing Terminal Disclaimer in order to place the Application for condition of allowance, wherein the suggestion is reached and agree by Mr. Tong.

Applicant recordation instructions: It is not necessary for applicant to provide a separate record of the substance of interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

Attachment


/KIET M DOAN/ Primary Examiner, Art Unit 2641	
--	--

Issue Classification 	Application/Control No. 16/556,205	Applicant(s)/Patent Under Reexamination Cheung et al.
	Examiner KIET M 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
H04W	/	4	/	16	I	2013-01-01
H04W	/	4	/	12	I	2013-01-01
H04M	/	3	/	4365	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

CPC Combination Sets				
Symbol	Type	Set	Ranking	Version
/	/			

NONE			Total Claims Allowed:	
(Assistant Examiner)	(Date)	17		
/KIET M DOAN/ Primary Examiner, Art Unit 2641	24 February 2020	O.G. Print Claim(s)	O.G. Print Figure	
(Primary Examiner)	(Date)	1	1	


Issue Classification 	Application/Control No. 16/556,205	Applicant(s)/Patent Under Reexamination Cheung et al.
	Examiner KIET M DOAN	Art Unit 2641

INTERNATIONAL CLASSIFICATION			
CLAIMED			
H04W		4	14
NON-CLAIMED			

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS

CROSS REFERENCES(S)					
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				


NONE			Total Claims Allowed:	
(Assistant Examiner)	(Date)	17		
/KIET M DOAN/ Primary Examiner, Art Unit 2641	24 February 2020	O.G. Print Claim(s)	O.G. Print Figure	
(Primary Examiner)	(Date)	1	1	

Issue Classification 	Application/Control No. 16/556,205	Applicant(s)/Patent Under Reexamination Cheung et al.
	Examiner KIET M DOAN	Art Unit 2641

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


CLAIMS															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	10	10												
2	2	11	11												
3	3	12	12												
4	4	13	13												
5	5	14	14												
6	6	15	15												
7	7	16	16												
8	8	17	17												
9	9														

NONE	Total Claims Allowed:	
(Assistant Examiner)	(Date)	17
/KIET M DOAN/ Primary Examiner, Art Unit 2641	24 February 2020	O.G. Print Claim(s)
(Primary Examiner)	(Date)	1
		O.G. Print Figure
		1

<i>Index of Claims</i> 	Application/Control No. 16/556,205	Applicant(s)/Patent Under Reexamination Cheung et al.
	Examiner KIET M DOAN	Art Unit 2641

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

CLAIMS									
<input type="checkbox"/> Claims renumbered in the same order as presented by applicant			<input type="checkbox"/> CPA		<input type="checkbox"/> T.D.		<input type="checkbox"/> R.1.47		
CLAIM			DATE						
Final	Original	02/24/2020							
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	=							

Search Notes 	Application/Control No. 16/556,205	Applicant(s)/Patent Under Reexamination Cheung et al.
	Examiner KIET M DOAN	Art Unit 2641


CPC - Searched*		
Symbol	Date	Examiner
H04M1/2473	02/24/2020	KD
H04L51/32	02/24/2020	KD

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner
455	435.3	02/24/2020	KD
	446	02/24/2020	KD
	512	02/24/2020	KD
	432.1	02/24/2020	KD
	411	02/24/2020	KD
	518	02/24/2020	KD
	520	02/24/2020	KD

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

/KIET M DOAN/ Primary Examiner, Art Unit 2641	
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Search Notes 	Application/Control No. 16/556,205	Applicant(s)/Patent Under Reexamination Cheung et al.
	Examiner KIET M DOAN	Art Unit 2641

Search Notes		
Search Notes	Date	Examiner
Inventor search	02/24/2020	KD
East search	02/24/2020	KD
plurality multiple multi) with (mobile wireless pda \$4phone) with (server (base near station) portal\$1 pbx ap (access near popint)) and select\$3 with (mode state) with (send\$3 transmit\$3 deliver) with (text message\$1) and (id identif\$3) with (user\$1 call\$2) and @ad<" 20031010"	02/24/2020	KD
((H04L63/102 OR H04L67/306 OR H04M1/2473 OR H04M1/2478 OR H04M3/567 OR H04W4/12 OR H04W76/10 OR H04W88/02 OR H04W72/02 OR H04N1/00244).CPC.)	02/24/2020	KD
((H04W12/08 OR H04W4/02 OR H04W12/06 OR H04W64/003 OR H04W76/10 OR H04W12/00503 OR H04W88/02 OR H04W76/30 OR H04L51/32 OR H04L67/306 OR H04L2012/2841 OR H04L2209/80 OR H04L67/32 OR H04M1/0202 OR H04M1/72519 OR H04M3/42034).CPC.)	02/24/2020	KD
(plurality multiple multi) with (mobile wireless pda \$4phone) with (server (base near station) portal\$1 pbx ap (access near popint)) and select\$3 with (mode state) with (send\$3 transmit\$3 deliver) with (text message\$1) and (id identif\$3) with (user\$1 call\$2).clm.	02/24/2020	KD
see history of rejection case 12/798,995 and 14/272,632	02/24/2020	KD

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
705	346	02/24/2020	KD

/KIET M DOAN/ Primary Examiner, Art Unit 2641	
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Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary)	Atty. Docket No.	IPVMCP02C6
	Application No.:	16/556,205
	Applicant	CHEUNG et al.
	Filing Date	August 29, 2019
	Group	2641
		Page 1 of 1

U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	1.	2004/0203794 A1	Oct-04	Brown et al.			
	2.	10,492,038 B2	Nov-19	Cheung et al.			
	3.						
	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	Office Action for U.S. Patent Application No. 12/798,995, dated April 11, 2011.
B	
C	
D	
E	
F	
G	
H	
I	

Examiner	/KIET M DOAN/	Date Considered	02/24/2020
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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/

Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary)	Atty. Docket No.	IPVMCP02C6
	Application No.:	Not Yet Assigned
	Applicant	CHEUNG et al.
	Filing Date	Filed Herewith 08/29/2019
	Group	Not Yet Assigned
		Page 1 of 9

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.	2001/0014611 A1	Aug-01	Dufort			
	3.	2001/0028709 A1	Oct.-01	Makela et al.			
	4.	2001/0031633 A1	Oct.-01	Tuomela et al.			
	5.	2002/0067806 A1	Jun-02	Rodriguez et al.			
	6.	2002/0073207 A1	Jun-02	Widger et al.			
	7.	2002/0094067 A1	Jul-02	August			
	8.	2002/0142756 A1	Oct-02	Rutledge et al.			
	9.	2002/0181672 A1	Dec-02	Cannell et al.			
	10.	2003/0039339 A1	Feb-03	Luehrig et al.			
	11.	2003/0041048 A1	Feb-03	Balasuriya			
	12.	2003/0065779 A1	Apr-03	Malik			
	13.	2003/0103600 A1	Jun-03	Potter			
	14.	2003/0105854 A1	Jun-03	Thorsteinsson et al.			
	15.	2003/0112948 A1	Jun-03	Brown et al.			
	16.	2003/0129968 A1	Jul-03	Earl			
	17.	2003/0191676 A1	Oct-03	Templeton			
	18.	2003/0191814 A1	Oct-03	Tran			
	19.	2003/0232629 A1	Dec-03	Jang et al.			
	20.	2004/0024882 A1	Feb-04	Austin et al.			
	21.	2004/0072585 A1	Apr-04	Le et al.			
	22.	2004/0078340 A1	Apr-04	Evans			
	23.	2004/0122979 A1	Jun-04	Kirkland			
	24.	2004/0143667 A1	Jul-04	Jerome			
	25.	2004/0203919 A1	Oct-04	Ross et al.			
	26.	2004/0240650 A1	Dec-04	Bear et al.			
	27.	2004/0248596 A1	Dec-04	Panchal			

Examiner	/KIET M DOAN/	Date Considered	02/24/2020
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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/

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	Application No.:	Not Yet Assigned
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	Group	Not Yet Assigned
		Page 2 of 9

28.	2005/0020288 A1	Jan-05	Davis			
29.	2005/0027385 A1	Feb-05	Yuch			
30.	2005/0037785 A1	Feb-05	Chen			
31.	2005/0038690 A1	Feb-05	Hayes-Roth			
32.	2005/0071253 A1	Mar-05	Yang			
33.	2005/0107130 A1	May-05	Peterson II			
34.	2005/0136955 A1	Jun-05	Mumick et al.			
35.	2005/0191994 A1	Sep-05	May et al.			
36.	2005/0192061 A1	Sep-05	May et al.			
37.	2005/0273327 A1	Dec-05	Krishnan			
38.	2006/0003803 A1	Jan-06	Thomas et al.			
39.	2006/0075038 A1	Apr-06	Mason et al.			
40.	2006/0168054 A1	Jul-06	Burkhart et al.			
41.	2006/0212561 A1	Sep-06	Feng			
42.	2006/0239419 A1	Oct-06	Joseph et al.			
43.	2006/0259565 A1	Nov-06	Cheung et al.			
44.	2006/0276210 A1	Dec-06	Thomas et al.			
45.	2006/0288099 A1	Dec-06	Jefferson et al.			
46.	2007/0005368 A1	Jan-07	Chutorash et al.			
47.	2007/0047522 A1	Mar-07	Jefferson et al.			
48.	2007/0238474 A1	Oct-07	Ballas			
49.	2008/0261636 A1	Oct-08	Lau et al.			
50.	2010/0114958 A1	May-10	Korenshtein			
51.	2010/0205272 A1	Aug-10	Cheung et al.			
52.	2011/0151582 A1	Jun-11	Basile			
53.	2011/0151852 A1	Jun-11	Olincy et al.			
54.	2014/0242956 A1	Aug-14	Cheung et al.			
55.	2014/0256293 A1	Sep-14	Thomas et al.			
56.	2016/0044474 A1	Feb-16	Cheung et al.			

Examiner /KIET M DOAN/	Date Considered 02/24/2020
-------------------------------	-----------------------------------

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	Application No.:	Not Yet Assigned
	Applicant	CHEUNG et al.
	Filing Date	Filed Herewith 08/29/2019
	Group	Not Yet Assigned
		Page 3 of 9

57.	2017/0201872 A1	Jul-17	Cheung et al.			
58.	2018/0014169 A1	Jan-18	Cheung et al.			
59.	5,425,516	Jun-95	Daines			
60.	5,548,636	Aug. 96	Bannister et al.			
61.	5,610,970	May-97	Fuller et al.			
62.	5,752,191	May-98	Fuller et al.			
63.	5,758,079	May-98	Ludwig et al.			
64.	5,828,731	Oct-98	Szlam et al.			
65.	5,930,700	Jul-99	Pepper et al.			
66.	5,970,388	Oct-99	Will			
67.	6,119,022	Sep-00	Osborn et al.			
68.	6,327,628 B1	Dec-01	Anuff et al.			
69.	6,359,892 B1	Mar-02	Szlam			
70.	6,463,462 B1	Oct-02	Smith et al.			
71.	6,577,859 B1	Jun-03	Zahavi et al			
72.	6,636,888 B1	Oct-03	Bookspan et al.			
73.	6,665,534 B1	Dec-03	Conklin et al.			
74.	6,788,766 B2	Sep-04	Logan			
75.	6,801,793 B1	Oct-04	Aarnio et al.			
76.	6,816,578 B1	Nov-04	Kredo et al.			
77.	6,819,757 B1	Nov-04	Cook et al.			
78.	6,819,945 B1	Nov-04	Chow et al.			
79.	6,978,136 B2	Dec-05	Jenniges et al.			
80.	7,010,288 B2	Mar-06	Brown et al.			
81.	7,010,332 B1	Mar-06	Irvin et al.			
82.	7,027,842 B2	Apr-06	Zhang et al.			
83.	7,043,261 B1	May-06	Krishnan			
84.	7,072,452 B1	Jul-06	Roberts et al.			
85.	7,085,253 B2	Aug-06	Yang			

Examiner	02/24/2020	Date Considered	02/24/2020
----------	------------	-----------------	------------

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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	Group	Not Yet Assigned
		Page 4 of 9

86.	7,107,010 B2	Sep-06	Heinonen et al.			
87.	7,110,963 B2	Sep-06	Negreiro			
88.	7,111,044 B2	Sep-06	Lee			
89.	7,116,976 B2	Oct-06	Thomas et al.			
90.	7,188,073 B1	Mar-07	Tam et al.			
91.	7,224,775 B1	May-07	Shaffer et al.			
92.	7,317,706 B1	Jan-08	Hao et al.			
93.	7,346,630 B2	Mar-08	Eichstaedt et al.			
94.	7,376,434 B2	May-08	Thomas et al.			
95.	7,403,972 B1	Jul-08	Lau et al.			
96.	7,686,693 B2	Mar-10	Danieli et al.			
97.	7,729,688 B2	Jun-10	Cheung et al.			
98.	7,792,552 B2	Sep-10	Thomas et al.			
99.	7,890,128 B1	Feb-11	Thomas et al.			
100.	8,112,104 B1	Feb-12	Thomas et al.			
101.	8,280,419 A1	Oct-12	Thomas et al.			
102.	8,353,773 B2	Jan-13	Sasaki et al.			
103.	8,391,459 B2	Mar-13	Jackson et al.			
104.	8,429,231 B2	Apr-13	Wu et al.			
105.	8,737,978 A1	May-14	Thomas et al.			
106.	8,744,407 B2	Jun-14	Cheung et al.			
107.	8,827,811 B2	Sep-14	Kim et al.			
108.	9,204,268 B2	Dec-15	Cheung et al.			
109.	9,555,334 B2	Jan-17	Bernard et al.			
110.	9,736,664 B1	Aug-17	Cheung et al.			
111.	10,142,810 B2	Nov-18	Cheung et al.			
112.	10,183,219 B2	Jan-19	Linden et al.			
113.	10,207,191 B2	Feb-19	Jensen			

Foreign Documents

Examiner	/KIET M DOAN/	Date Considered	02/24/2020
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Init.	Document No.	Date	Country	Class	Subclass	Translation	
						Yes	No
	WO 01/45343 A2	Jun-01	WIPO				
	CN 1453981	Nov. -03	China				
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 May 9, 2012.						
D	Notice of Allowance for U.S. Patent Application No. 12/798,995, dated October 3, 2012.						
E	Notice of Allowance for U.S. Patent Application No. 12/798,995, dated July 16, 2013.						
F	Notice of Allowance for U.S. Patent Application No. 12/798,995, dated October 30, 2013.						
G	Notice of Allowance for U.S. Patent Application No. 12/798,995, dated February 20, 2014.						
H	Office Action for U.S. Patent Application No. 14/272,632, dated July 27, 2015.						
I	Notice of Allowance for U.S. Patent Application No. 14/272,632, dated September 18, 2015.						
J	Office Action for U.S. Patent Application No. 14/922,344, dated April 27, 2016.						
K	Office Action for U.S. Patent Application No. 14/922,344, dated October 7, 2016.						
L	Notice of Allowance for U.S. Patent Application No. 14/922,344, dated February 14, 2017.						
M	Notice of Allowance for U.S. Patent Application No. 14/922,344, dated March 6, 2017.						
N	Notice of Allowance for U.S. Patent Application No. 15/469,440, dated September 6, 2017.						
O	Notice of Allowance for U.S. Patent Application No. 15/469,440, dated December 19, 2017.						
P	Notice of Allowance for U.S. Patent Application No. 15/469,440, dated August 8, 2018.						
Q	Notice of Allowance for U.S. Patent Application No. 15/469,440, dated September 27, 2018.						
R	Notice of Allowance for U.S. Patent Application No. 15/704,181, dated April 27, 2018.						
S	Notice of Allowance for U.S. Patent Application No. 15/704,181, dated August 22, 2018.						
T	Notice of Allowance for U.S. Patent Application No. 15/704,181, dated November 6, 2018.						
U	Notice of Allowance for U.S. Patent Application No. 15/704,181, dated July 2, 2019.						
V	First Office Action for CN Patent Application No. 200680027964.9, dated 3/26/10 (17 pages).						
W	Second Office Action for CN Patent Application No. 200680027964.9, dated 10/25/10 (14 pages).						
X	Third Office Action for CN Patent Application No. 200680027964.9, dated 4/8/11 (11 pages).						
Examiner			Date Considered				
/KIET M DOAN/			02/24/2020				

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	Y	Notice of Rejection for CN Patent Application No. 200680027964.9, dated 1/6/12 (11 pgs.)
	Z	AIM Buddy List, https://web.archive.org/web/20050531083304/http://www.aim.com/help_faq/starting_out/buddylist.adp?aolp= , downloaded 8/9/19, 1 pg.
	AA	AIM@ Inside the Sidekick, https://web.archive.org/web/20050519114310/http://mymobile.aol.com/portal/im/pdfs/tmobile/AIM_SIDEKICK_UG_tmobile.pdf , copyright 2002 by America Online, Inc., 13 pgs.
	AB	AIM Registration, https://web.archive.org/web/20041216085601/http://www.aim.com:80/help_faq/starting_out/registration.adp?aolp= , downloaded 8/9/19, 2 pgs.
	AC	"AOL @ Instant Messenger™", https://web.archive.org/web/20050601001345/https://www.aim.com/ , downloaded 8/6/19, 2 pgs.
	AD	"Company Overview", http://www.fastmobile.com/company_overview.html , downloaded 11/5/2003, p. 1.
	AE	Download AIM for Windows, https://web.archive.org/web/20050204020358/http://channels.netscape.com/wrap/linker.jsp?floc=at_oswin_1_l2&ref=http://www.aim.com/get_aim/win/latest_win.adp?aolp=#whatnew , downloaded 8/9/19, 2 pgs.
	AF	"Introducing the Tellme Voice Application Network", Tellme, http://www.tellme.com/products/ , downloaded 10/2/2003, page 1.
	AG	"Iotum History," Iotum Corp., http://iotum.com/simplyrelevant/2006/04/03/iotum-history/ , downloaded May 15, 2006, pages 1-4.
	AH	"messaging", Vodafone Group, 2001, http://www.vodafone.co.nz/business/10.2.3_messaging.jsp , downloaded 10/14/2003, pages 1-2.
	AI	"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.
	AJ	"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.
	AK	"Our Solution," Iotum Corp., http://www.iotum.com/our_solution.php , downloaded May 15, 2006, pages 1-2.
	AL	"Short Message Service/Interactive Voice Response (SMS/IVR), Lucent Technologies, 2003, pages 1-2.
	AM	"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.
	AN	"We bring relevance to communications," Cnet News, Ina Fried, July 21, 2005, pages 1-2.
	AO	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.
Examiner		Date Considered
/KIET M DOAN/		02/24/2020

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.	IPVMCP02C6
	Application No.:	Not Yet Assigned
	Applicant	CHEUNG et al.
	Filing Date	Filed Herewith 08/29/2019
	Group	Not Yet Assigned
		Page 7 of 9

AP	BlackBerry, "Voice and SMS", http://www.blackberry.com/products/service/voices_sms.shtml?DCPID=hmsvoice downloaded 10/2/2003, page 1.
AQ	Bulk, F. "Final Project: Skype," http://www1.cs.columbia.edu/~salman/skype/frank.pdf , May 5, 2004, pp. 23.
AR	Calsyn, Martin and Desseault, Lisa, "Presence Information Protocol Requirements," Internet Draft, February 9, 1998, pages 1-27.
AS	Emergin Inc., "Emergin WirelessOffice 5.0", http://www.emergin.com/?source=overture , downloaded 10/2/2003, page 1.
AT	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.
AU	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.
AV	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.
AW	Internet Traveler, "Welcome to the Inter.Net Communicator Tour!", http://www.inter.net/traveler/tour/communicator_messaging.php , downloaded 10/14/2003, p. 1.
AX	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.
AY	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.
AZ	MSN Messenger Version 7.0, "Messenger," https://web.archive.org/web/20050601023444/http://messenger.msn.com... , downloaded 8/6/19, 2 pgs.
BA	MobileShop, "SMS - also know as text messaging", http://www.mobileshop.org/howitworks.sms.htm , downloaded October 14, 2003, pages 1- 2.
BB	MSN Messenger:mac, https://web.archive.org/web/20050604080622/http://www.microsoft.com/mac/default.aspx?pid=msnmessenger , downloaded 8/9/19, 2 pgs.
BC	MSN Messenger, "Communicate with MSN® Messenger," https://web.archive.org/web/20051013055708/http://www.imagine- msn.com/messenger/post/communicate/instantmessage.aspx , downloaded 8/9/19, 2 pgs.
BD	MSN Messenger, "Download MSN Messenger," https://web.archive.org/web/20050601002632/http://messenger.msn.com/download/ , downloaded 8/9/19, 1 pg.

Examiner	/KIET M DOAN/	Date Considered	02/24/2020
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	Application No.:	Not Yet Assigned
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	Filing Date	Filed Herewith 08/29/2019
	Group	Not Yet Assigned
		Page 8 of 9

BE	MSN Messenger, "Most Frequently Asked Questions," https://web.archive.org/web/20050601014205/http://messenger.msn.com/Help/ , downloaded 8/9/19, 8 pgs.
BF	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.
BG	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.
BH	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.
BI	Skype™, "Skype is free Internet telephony that just works," https://web.archive.org/web/20050601003206/http://www.skype.com , downloaded 8/6/19, 3 pgs.
BJ	Skype™, "Skype is free Internet telephony that just works," https://web.archive.org/web/20050601003206/http://www.skype.com/ , downloaded 8/9/19, 21 pgs.
BK	Skype™, "How to Use Skype," https://web.archive.org/web/20041229163311/http://www.skype.com/help/guides/usingskype.html , downloaded 8/9/19, 6 pgs.
BL	Skype™, "How to Add a Contact – User Guide," https://web.archive.org/web/20041230160101/http://www.skype.com/help/guides/adduser.html , 10 pgs.
BM	Skype™, "Registering a Skype Name – User Guide," https://web.archive.org/web/20041229042631/http://www.skype.com/help/guides/registration.html , 10 pgs.
BN	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.
BO	Symbian Ltd., "Symbian OS Version 7.0: Functional description", Revision 1.5, February 2003, pages 1-24.
BP	Symbian Ltd., "Symbian OS Version 7.0s: Functional description", Revision 2.1, June 2003, pages 1-29.
BQ	Symbian Ltd., "Technology: Creating Symbian OS phones", http://www.symbian.com/technology/create-symb-OS-phones.html , downloaded 11/5/2003, page 1-8.
BR	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.
BS	Using AIM on Windows – Video IM, https://web.archive.org/web/20050307231707/http://www.aim.com/help_faq/using/win/video_im.adp?aolp= , downloaded 8/9/19, 2 pgs.
BT	Using AIM on Windows - March 8, 2005, https://web.archive.org/web/20050308012857/http://www.aim.com/help_faq/using/win/aimtalk.adp?aolp= , downloaded 8/9/19, 2 pgs.

Examiner	/KIET M DOAN/	Date Considered	02/24/2020
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	Group	Not Yet Assigned
		Page 9 of 9

	BU	Using AIM on Windows – March 5, 2005, https://web.archive.org/web/20050305095328/http://www.aim.com:80/help_faq/using/win/instant_message.adp?aolp= , downloaded 8/9/19, 2 pgs.
	BV	Verizon Wireless, "TXT messaging", http://www.vtext.com/customer_site/jsp/messaging_lo.jsp , downloaded 10/2/2003, page 1.
	BW	W3C, "Voice Extensible Markup Language (VoiceXML) Version 2.0, W3C, www.w3.org , February 20, 2003.
	BX	Yahoo!Messenger, "Yahoo!Messenger Talk for Free!", http://messenger.yahoo.com/messenger/help/voicechat.html , downloaded 10/2/2003, pages 1-2.
	BY	"Yahoo! Messenger," https://web.archive.org/web/20050601012258/http://messenger.yahoo.com , downloaded 8/6/19, 1 pg.
	BZ	"Yahoo! Messenger," https://web.archive.org/web/20050601042101/http://messenger.yahoo.com/newtoim.php , downloaded 8/9/19, 3 pgs.
	CA	"Yahoo! Help – All-New Messenger 6.0," https://web.archive.org/web/20040806142252/http://help.yahoo.com/help/us/messenger/w in/abuse/abuse-02.html , downloaded 8/9/19, 2 pgs.

Examiner	/KIET M DOAN/	Date Considered	02/24/2020
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16/556,205	08/29/2019	455	2641	IPVMCP02C6		
APPLICANTS IpVenture, Inc., San Jose, 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 15/704,181 09/14/2017 PAT 10492038 which is a CON of 15/469,440 03/24/2017 PAT 10142810 which is a CON of 14/922,344 10/26/2015 PAT 9736664 which 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 ** 09/11/2019						
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	<input type="checkbox"/> Met after Allowance Initials	STATE OR COUNTRY HONG KONG	SHEETS DRAWINGS 9	TOTAL CLAIMS 11	INDEPENDENT CLAIMS 1
ADDRESS IPVENTURE, INC. 4010 Moorpark Avenue Suite 211 San Jose, CA 95117 UNITED STATES						
TITLE METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION						
FILING FEE RECEIVED 785	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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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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 loves\$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
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)	US-PGPUB; USPAT;	OR	OFF	2011/09/20 12:13

		with (information data location position) and restrict\$3 with access\$3	USOCR; EPO; JPO; DERWENT			
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 loves\$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) loves\$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) loves\$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) loves\$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) loves\$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) loves\$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) loves\$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

EAST Search History

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; 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
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"	US-PGPUB; USPAT;	OR	OFF	2011/09/27 16:20

		"5870552" "6262976").PN.	USOCR			
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
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	US-PGPUB; USPAT;	OR	OFF	2011/12/28 12:22

		near2 priority and (id identif\$3) near2 caller and "455"/\$.ccls.	USOCR; EPO; JPO; DERWENT			
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").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; 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
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
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"	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/24 21:04

		"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" "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"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2013/10/24 15:48

		"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.				
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
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;	OR	OFF	2013/10/24 21:12

			EPO; JPO; DERWENT			
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 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;	OR	OFF	2015/09/11 13:51

			DERWENT			
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" "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"	US-PGPUB; USPAT; USOCR	OR	OFF	2015/09/11 14:23

		"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
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	US-PGPUB;	OR	OFF	2016/04/25

		transmit\$3) with (info information message\$1 text) near6 (wife (girl near friend\$1) love\$2 boss (boy adj friend\$1) and convert\$3 with text near1 voice	USPAT; USOCR; EPO; JPO; DERWENT			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 @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;	OR	OFF	2016/04/25 13:01

			EPO; JPO; DERWENT			
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
S106	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
S107	10	("20020016729" "20020154752" "20040218734" "20060047557" "20060075038" "20060147017" "20060245558" "20060291630" "20070025530" "20100114958").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/06/19 21:37
S108	1	S106 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
S109	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
S110	69	("20010011014" "20010028709" "20010031633" "20020067806" "20020073207" "20020094067" "20020142756" "20030039339" "20030041048" "20030103600" "20030105854" "20030112948" "20030129968" "20030191814" "20030232629" "20040024882" "20040072585" "20040122979" "20040203919" "20050027385" "20050037785" "20050071253" "20050107130" "20050136955" "20050191994" "20050192061" "20050273327" "20060003803" "20060239419" "20060288099" "20070047522" "20110151852" "5425516" "5548636" "5758079" "5828731" "5930700" "5970388" "6119022" "6327628" "6463462" "6577859" "6636888" "6665534" "6788766" "6801793" "6816578" "6819757" "6819945" "6978136" "7010288" "7010332" "7027842" "7043261" "7072452" "7085253"	US-PGPUB; USPAT; USOCR	OR	OFF	2017/08/29 15:24

		"7107010" "7110963" "7111044" "7116976" "7188073" "7224775" "7376434" "7403972" "7729688" "7792552" "7890128" "8112104" "8280419").PN.				
S111	219	(send\$3 transmit\$3) with schedul\$3 near8 (text message\$1) and priority and (id identif\$3) near6 call\$3 and (id identif\$3) near5 (message\$1 text) and @ad<"20031010"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2017/08/29 15:27
S112	0	(send\$3 transmit\$3) with schedul\$3 near8 (text message\$1) and priorit\$3 near8 call\$3 and (id identif\$3) near6 caller and (id identif\$3) near5 priorit\$3 near5 (message\$1 text) and @ad<"20031010"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2017/08/29 15:28
S113	2	(send\$3 transmit\$3) with schedul\$3 near8 (text message\$1) and priorit\$3 near8 call\$3 and (id identif\$3) near6 caller and (id identif\$3) near5 (message\$1 text) and schedul\$3 with priorit\$3.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2017/08/29 15:31
S114	21	("20020085506" "20030076826" "20030097425" "20030223422" "20040081149" "20050002365" "20050111452" "5161153" "5541927" "5949780" "5959989" "6032190" "6122483" "6415312" "6418477" "6532211" "6683850" "6724729" "6735177" "6760307" "7207040").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/08/29 15:32
S115	2	(send\$3 transmit\$3) with schedul\$3 near8 (text message\$1) and priorit\$3 near8 call\$3 and (id identif\$3) near6 caller and (id identif\$3) near5 (message\$1 text) and schedul\$3 with priorit\$3 with call\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2017/08/29 15:33
S116	1675	schedul\$3 near8 receiv\$3 near8 (text message\$1 voice call\$3) and priorit\$3 near8 (text message\$1 voice call\$3) and (id identif\$3) with (text message\$1 voice call\$3) and schedul\$3 and priorit\$3 with (text message\$1 voice call\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2017/08/29 16:45
S117	212	schedul\$3 near8 receiv\$3 near8 (text message\$1 voice call\$3) and priorit\$3 near8 (text message\$1 voice call\$3) and (id identif\$3) with (text message\$1 voice call\$3) and schedul\$3 and priorit\$3 with (text message\$1 voice call\$3) and 455/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2017/08/29 16:49
S118	52	schedul\$3 near8 receiv\$3 near8 (text message\$1 voice call\$3) and priorit\$3 near8 (text message\$1 voice call\$3) and (id identif\$3) with (text message\$1 voice call\$3) and schedul\$3 and priorit\$3 with (text message\$1 voice call\$3) and 455/\$.ccls. and @ad<="20050404"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2017/08/29 16:50
S119	14	S118 AND ((H04K1/00 OR H04W68/00 OR H04W76/02 OR H04M3/42042 OR H04M1/006 OR H04M3/53333 OR H04M3/565).CPC.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2017/08/29 16:59

S120	31	("20010036224" "20020004705" "20020040282" "20020080948" "20020091832" "20020198946" "20030032409" "20030033179" "20030110262" "20030135464" "20040038664" "20040044774" "20040078340" "20040133794" "20040143667" "20040224769" "4922491" "5454074" "5758088" "6021433" "6167426" "6332141" "6425006" "6459913" "6553416" "6704874" "6718332" "6735614" "6753784" "7096498" "7143118").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/08/29 17:04
S121	85	("20010011014" "20010014611" "20010028709" "20010031633" "20020067806" "20020073207" "20020094067" "20020142756" "20030039339" "20030041048" "20030065779" "20030103600" "20030105854" "20030112948" "20030129968" "20030191676" "20030191814" "20030232629" "20040024882" "20040072585" "20040122979" "20040203919" "20050020288" "20050027385" "20050037785" "20050038690" "20050071253" "20050107130" "20050136955" "20050191994" "20050192061" "20050273327" "20060003803" "20060239419" "20060259565" "20060276210" "20060288099" "20070047522" "20070238474" "20080261636" "20100205272" "20110151852" "20140242956" "20140256293" "20160044474" "5425516" "5548636" "5758079" "5828731" "5930700" "5970388" "6119022" "6327628" "6359982" "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" "9204268").PN.	US-PGPUB; USPAT	OR	OFF	2018/03/30 08:00
S122	39	S121 AND ((H04M2203/651 OR H04M1/72552 OR H04M3/42059 OR H04M3/42102 OR H04M2203/2072 OR H04M3/42093 OR H04M19/045 OR H04M3/5322 OR H04W88/184 OR H04W68/00).CPC.)	US-PGPUB; USPAT	OR	OFF	2018/03/30 08:02
S123	10	("6173250" "6173262" "6356937" "6366886" "6385461" "6389114" "6430604" "6484196" "6507643" "6618704").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/03/30 08:05
S124	1	("5561704").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/03/30 08:05

S125	6	"9736664"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2018/04/12 14:55
S126	85	(server pbx network (base near station)) with receiv\$3 with (text message\$1 voice call\$3) and (id identif\$3) with (text message\$1 voice call\$3) with (person caller) and (schedul\$3 sett\$3) with (bock\$3 stop\$3) with (person caller)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2018/04/19 09:43
S127	2	(server pbx network (base near station)) with receiv\$3 with (text message\$1 voice call\$3) and (id identif\$3) with (text message\$1 voice call\$3) with (person caller) and (schedul\$3 sett\$3) with (bock\$3 stop\$3) with (person caller).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2018/04/19 09:45
S128	0	(server pbx network (base near station)) with receiv\$3 with (text message\$1 voice call\$3) and (id identif\$3) with (text message\$1 voice call\$3) with (person caller) and (schedul\$3 sett\$3) with (bock\$3 stop\$3) with (person caller) and (urgenc\$3 priority) with (text message\$1 voice call\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2018/04/19 09:46
S129	74	(server pbx network (base near station)) with receiv\$3 with (text message\$1 voice call\$3) and (id identif\$3) with (text message\$1 voice call\$3) with (person caller) and (schedul\$3 sett\$3) with (bock\$3 stop\$3) with (person caller) and (urgenc\$3 priority)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2018/04/19 09:47
S130	53	S129 AND ((G06Q30/0257 OR G06Q30/0267 OR G06Q30/0269 OR H04L63/08).CPC.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2018/04/19 09:49
S131	2	(server pbx network (base near station)) with receiv\$3 with (text message\$1 voice call\$3) and (id identif\$3) with (text message\$1 voice call\$3) with (person caller) and (schedul\$3 sett\$3) with (bock\$3 stop\$3) with (person caller) and (urgenc\$3 priority) and 455/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2018/04/19 09:49
S132	94	("20060075038" "20100114958" "20010011014" "20010014611" "20010028709" "20010031633" "20020067806" "20020073207" "20020094067" "20020142756" "20030039339" "20030041048" "20030065779" "20030103600" "20030105854" "20030112948" "20030129968" "20030191676" "20030191814" "20030232629" "20040024882" "20040072585" "20040122979" "20040203919" "20040248596" "20050020288" "20050027385" "20050037785" "20050038690" "20050071253" "20050107130" "20050136955" "20050191994" "20050192061"	US-PGPUB; USPAT	OR	OFF	2018/08/08 09:48

		"20050273327" "20060003803" "20060239419" "20060259565" "20060276210" "20060288099" "20070047522" "20070238474" "20080261636" "20100205272" "20110151582" "20110151852" "20140242956" "20140256293" "20160044474" "20170201872" "5425516" "5548636" "5610970" "5752191" "5758079" "5828731" "5930700" "5970388" "6119022" "6327628" "6359982" "6463462" "6577859" "6636888" "6665534" "6788766" "6801793" "6816578" "6819757" "6819945" "6978136" "7010288" "7010332" "7027842" "7043261" "7072452" "7085253" "7107010" "7110963" "7111044" "7116976" "7188073" "7224775" "7317706" "7376434" "7376630" "7403972" "7729688" "7792552" "7890128" "8112104" "8280419" "8737978" "9204268").PN.				
S133	2	"20060075038"	US-PGPUB; USPAT	OR	OFF	2018/08/08 09:49
S134	2	"20100114958"	US-PGPUB; USPAT	OR	OFF	2018/08/08 09:49
S135	56	("20010034251" "20010042095" "20010048449" "20010051998" "20020007398" "20020022954" "20020023128" "20020052919" "20020083119" "20020083461" "20020112014" "20020129125" "20020174199" "20030001890" "20030007464" "20030105816" "20030152040" "20030153339" "20030153340" "20030153341" "20030153342" "20030153343" "20030154243" "20030154249" "20030225641" "20040056901" "20040142720" "20050044503" "5528671" "5625829" "5781614" "5825353" "5926179" "5949408" "6061716" "6078948" "6212548" "6259449" "6286034" "6301609" "6360093" "6370563" "6405035" "6430604" "6459892" "6501834" "6512497" "6529218" "6539237" "6539421" "6577328" "6606647" "6630944" "6677976" "6714793" "6727916").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/08/08 09:50
S136	10	("5880731" "6285916" "6346952" "6400381" "6427918" "6430409" "6430574" "6519771" "6538665" "6590594").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/08/08 09:52
S137	10	("5793365" "5880731" "5956491" "6014136" "6212548" "6256663" "6336133" "6345290" "6370563" "6393461").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/08/08 09:52
S138	98	("20040240650" "20070005368" "7346630" "8429231" "20060075038" "20100114958" "20010011014"	US-PGPUB; USPAT	OR	OFF	2018/10/31 10:36

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S140	2	"20070005368"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2018/10/31 10:42
S141	2	"7346630".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2018/10/31 10:44
S142	31	("20010036224" "20020004705" "20020040282" "20020080948" "20020091832" "20020198946" "20030032409" "20030033179" "20030110262" "20030135464" "20040038664" "20040044774" "20040078340" "20040133794" "20040143667" "20040224769" "4922491" "5454074" "5758088" "6021433" "6167426" "6332141"	US-PGPUB; USPAT; USOCR.	OR	OFF	2018/10/31 10:44

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S143	1	"8429231".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/10/31 10:50
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S145	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)) and (server (base near station) pbx) with (auth\$9 allow\$3) with access	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2019/03/06 18:12
S146	1	S145 AND ((H04L51/04 OR H04L63/20 OR H04L65/1069 OR H04L65/1076 OR	US-PGPUB; USPAT;	OR	OFF	2019/03/06 18:14

		H04L65/4061 OR H04L67/141).CPC.)	USOCR; EPO; JPO; DERWENT			
S147	0	select\$3 with option with (contact\$1 communicat\$3) and schedul\$3 with (text message\$1) and determ\$3 with priorit\$2 with (message\$1 text) and schedul\$3 with available with receiv\$3 with (text message\$1) and (id identif\$3) near6 (caller\$1 (person near call\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2019/03/06 18:17
S148	11	select\$3 with (contact\$1 communicat\$3) and schedul\$3 with (text message\$1) and determ\$3 with (message\$1 text) and schedul\$3 with available with receiv\$3 with (text message\$1) and (id identif\$3) with (caller\$1 (person near call\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2019/03/06 18:18
S149	1	select\$3 with (contact\$1 communicat\$3) and schedul\$3 with (text message\$1) and determ\$3 with (message\$1 text) and schedul\$3 with available with receiv\$3 with (text message\$1) and (id identif\$3) with (caller\$1 (person near call\$3)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2019/03/06 18:19
S150	10	S148 AND ((H04L51/08 OR H04L67/306 OR H04L65/1069 OR H04M2203/2072 OR H04M1/663 OR H04M3/42382 OR H04M7/0045 OR H04W12/08 OR H04W4/14 OR G06Q10/1093 OR G06Q10/1095).CPC.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2019/03/06 18:22
S151	58	("20010056359" "20020072996" "20020087704" "20020120568" "20020138622" "20020159601" "20030130857" "20030225590" "20040111480" "20040196968" "20050015443" "20050044159" "20070043608" "20080013712" "20080140845" "20090016524" "20090178128" "20090271873" "20100017599" "20100111276" "20110134843" "20110282931" "20120203909" "20120215620" "20120270567" "20120271883" "20120290421" "20120290953" "20120303439" "20120330823" "20120331162" "20130066945" "20130198811" "20130254314" "5724521" "5841871" "6055510" "6161185" "6885871" "7010565" "7130389" "7239860" "7301450" "7664233" "7706253" "7827234" "7877682" "8102974" "8224284" "8230488" "8243910" "8280012" "8291011" "8315595" "8316128" "8416933" "8424057" "8468584").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/03/06 18:23
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S153	98	("20040240650" "20070005368" "7346630" "8429231" "20060075038" "20100114958" "20010011014" "20010014611" "20010028709"	US-PGPUB; USPAT	OR	OFF	2019/08/14 10:49

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S155	5	("3678391" "5420577" "5564071" "5852783" "5854825").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/08/14 10:53
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S160	162	(plurality multiple multi) with (mobile wireless pda \$4phone) with (server (base near station) portal\$1 pbx ap (access near popint)) and select\$3 with (mode state) with (send\$3 transmit\$3 deliver) with (text message\$1) and (id identif\$3) with (user\$1 call\$2).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2020/02/24 10:01
S161	66	S160 AND ((H04W12/08 OR H04W4/02 OR H04W12/06 OR H04W64/003 OR H04W76/10 OR H04W12/00503 OR H04W88/02 OR H04W76/30 OR H04L51/32 OR H04L67/306 OR H04L2012/2841 OR H04L2209/80 OR H04L67/32 OR H04M1/0202 OR H04M1/72519 OR H04M3/42034).CPC.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2020/02/24 10:05
S162	55	(plurality multiple multi) with (mobile wireless pda \$4phone) with (server (base near station) portal\$1 pbx ap (access near popint)) and select\$3 with (mode state) with (send\$3 transmit\$3 deliver) with (text message\$1) and (id identif\$3) with (user\$1 call\$2) and @ad<"20031010"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2020/02/24 10:06
S163	10	S162 AND ((H04L63/102 OR H04L67/306 OR H04M1/2473 OR H04M1/2478 OR H04M3/567 OR H04W4/12 OR H04W76/10 OR H04W88/02 OR H04W72/02 OR H04N1/00244).CPC.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2020/02/24 10:09

3/3/2020 5:08:12 PM

C:\Users\kdoan\Documents\EAST\Workspaces\12798995.wsp

Document Description: Issue Fee Payment (PTO-85B)

Issue Fee Transmittal Form

Application Number	Filing Date	First Named Inventor	Atty. Docket No.	Confirmation No.
16556205	29-Aug-2019	Kwok Cheung	IPVMCP02C6	5174

TITLE OF INVENTION :

METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION

Entity Status	Application Type	Art Unit	Class - Subclass	EXAMINER
Small	Utility under 35 USC 111(a)	2641	414100	KIET DOAN
Issue Fee Due	Publication Due	Total Fee(s) Due	Date Due	Prev. Paid Fee
\$500	\$0	\$500	26-May-2020	\$0

1. Change of Correspondence Address and/or Indication Of Fee Address (37 CFR 1.33 & 1.363)

Current Correspondence Address:	Current Indicated Fee Address :
34071 IPVENTURE, INC. 4010 Moorpark Avenue Suite 211 San Jose CA 95117 UNITED STATES 650-903-9200	
<input type="checkbox"/> Change of correspondence address requested, system generated AIA/122-EFS form attached	<input type="checkbox"/> Fee Address indication requested, system generated SB/47-EFS form attached

2. Entity Status**Change in Entity Status**

Applicant certifying micro entity status; system generated Micro Entity certification form attached. See 37 CFR 1.29.

Note: Absent a valid certification of micro entity status, issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

- If this box is checked, you will be prompted to choose a micro entity status on the gross income basis (37 CFR 1.29(a)) or the institution of higher education basis (37 CFR 1.29(d)), and make the applicable certification online.
- Applicant asserting small entity status. See 37 CFR 1.27.
Note: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
- Applicant changing to regular undiscounted fee status.
Note: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

Document Description: Issue Fee Payment (PTO-85B)

3.The Following Fee(s) Are Submitted:

Issue Fee

I authorize USPTO to apply my previously paid issue fee to the current fees due

Publication Fee

The Director is hereby authorized to apply my previously paid issue fee to the current fee due and to charge deficient fees to Deposit Account Number _____

Advance Order - # of copies _____

If **in addition** to the payment of the issue fee amount submitted with this form, there are any discrepancies in any amount(s) due, the Director is authorized to charge any deficiency or credit any overpayment, to Deposit Account Number 503874.
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4.Firm and/or Attorney Names To Be Printed

NOTE: If no name is listed, no name will be printed
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5.Assignee Name(s) and Residence Data To Be Printed

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.

Name	City	State	Country	Category
IpVenture, Inc.	San Jose	CALIFORNIA	united states	corporation

6.Signature

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 filed and has been granted power of attorney in this application. I also certify that this Fee(s) Transmittal form is being transmitted to the USPTO via EFS-WEB on the date indicated below.

Signature	/Peter P. Tong/	Date	05-26-2020
Name	Peter P. Tong	Registration Number	35757

Electronic Patent Application Fee Transmittal

Application Number:	16556205			
Filing Date:	29-Aug-2019			
Title of Invention:	METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION			
First Named Inventor/Applicant Name:	Kwok Wai Cheung			
Filer:	Peter P. Tong/Angela Nijim			
Attorney Docket Number:	IPVMCP02C6			
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 APPL ISSUE FEE	2501	1	500	500
PUBL. FEE- EARLY, VOLUNTARY, OR NORMAL	1504	1	0	0
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 (\$)				500

Electronic Acknowledgement Receipt

EFS ID:	39532373
Application Number:	16556205
International Application Number:	
Confirmation Number:	5174
Title of Invention:	METHOD AND APPARATUS TO MANAGE MESSAGING PROVIDING DIFFERENT COMMUNICATION MODES USING ONE IDENTIFIER AND NOT REQUIRING TO DISCLOSE CONTACT INFORMATION
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:	IPVMCP02C6
Receipt Date:	26-MAY-2020
Filing Date:	29-AUG-2019
Time Stamp:	14:26:29
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$ 500
RAM confirmation Number	E20205PE26261864
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 1.20 (Post Issuance fees)	
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)	Web85b.pdf	45845 81f15900e784a4c87bd1146e5b6071613209311c	no	2

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	32200 10aa789f12524c6c66157ad32428437c10b60605	no	2
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Warnings:

Information:

Total Files Size (in bytes):	78045
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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.



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Table with 5 columns: APPLICATION NO., ISSUE DATE, PATENT NO., ATTORNEY DOCKET NO., CONFIRMATION NO.
Row 1: 16/556,205, 07/07/2020, 10708727, IPVMCP02C6, 5174

34071 7590 06/17/2020
IPVENTURE, INC.
4010 Moorpark Avenue
Suite 211
San Jose, CA 95117

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):

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

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AO 120 (Rev. 08/10)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court _____ for the Western District of Texas _____ on the following

Trademarks or Patents. (the patent action involves 35 U.S.C. § 292.);

DOCKET NO. 6:21-cv-00663	DATE FILED 6/25/2021	U.S. DISTRICT COURT for the Western District of Texas
PLAINTIFF IngenioShare, LLC		DEFENDANT Epic Games, Inc.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8,744,407	6/3/2014	IngenioShare, LLC
2 10,142,810	11/27/2018	IngenioShare, LLC
3 10,492,038	11/26/2019	IngenioShare, LLC
4 10,708,727	7/7/2020	IngenioShare, LLC
5		

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY <input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK
1	
2	
3	
4	
5	

In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
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Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
 Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy