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APPLICATION NO.	ISSUE DATE	PATENT NO.
17/959,687	16-MAY-23	11653182

VOLPE KOENIG
30 SOUTH 17TH STREET, 18TH FLOOR
PHILADELPHIA, PA 19103

EGRANT NOTIFICATION

Your electronic patent grant (eGrant) is now available, which can be accessed via Patent Center at <https://patentcenter.uspto.gov>

The electronic patent grant is the official patent grant under 35 U.S.C. 153. For more information, please visit <https://www.uspto.gov/electronicgrants>



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Alexandria, Virginia 22313-1450
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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/959,687	05/16/2023	11653182	RMT-PT001.18	6972

3624 7590 04/26/2023
VOLPE KOENIG
30 SOUTH 17TH STREET, 18TH FLOOR
PHILADELPHIA, PA 19103

ISSUE NOTIFICATION

The projected patent number and issue date are specified above. The patent will issue electronically. The electronically issued patent is the official patent grant pursuant to 35 U.S.C. § 153. The patent may be accessed on or after the issue date through Patent Center at <https://patentcenter.uspto.gov/>. The patent will be available in both the public and the private sides of Patent Center. Further assistance in electronically accessing the patent, or about Patent Center, is available by calling the Patent Electronic Business Center at 1-888-217-9197.

The USPTO is implementing electronic patent issuance with a transition period, during which period the USPTO will mail a ceremonial paper copy of the electronic patent grant to the correspondence address of record. Additional copies of the patent (i.e., certified and presentation copies) may be ordered for a fee from the USPTO's Certified Copy Center at <https://certifiedcopycenter.uspto.gov/index.html>. The Certified Copy Center may be reached at (800)972-6382.

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 Patents Stakeholder Experience (OPSE), Stakeholder Support Division (SSD) at (571)-272-4200.

INVENTOR(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional inventors):

Graham Merrett, Woolloongabba, AUSTRALIA;

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

REMBRANDT MESSAGING TECHNOLOGIES II, LP., West Conshohocken, PA;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/959,687	10/04/2022	Graham Merrett	RMT-PT001.18	6972

3624	7590	04/12/2023
VOLPE KOENIG		
30 SOUTH 17TH STREET, 18TH FLOOR		
PHILADELPHIA, PA 19103		

EXAMINER	
DEAN, JR, JOSEPH E	

ART UNIT	PAPER NUMBER
2647	

NOTIFICATION DATE	DELIVERY MODE
04/12/2023	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

eoffice@vklaw.com

Supplemental Notice of Allowability	Application No. 17/959,687	Applicant(s) Merrett, Graham	
	Examiner JOSEPH E DEAN, JR	Art Unit 2647	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 4/5/23.

☐ 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 1-30 . 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. 12452883 .

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

/JOSEPH E DEAN, JR/ Primary Examiner, Art Unit 2647	
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BIB DATA SHEET

CONFIRMATION NO. 6972

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.		
17/959,687	10/04/2022	370	2647	RMT-PT001.18		
APPLICANTS REMBRANDT MESSAGING TECHNOLOGIES II, LP., West Conshohocken, PA;						
INVENTORS Graham Merrett, Woolloongabba, AUSTRALIA;						
** CONTINUING DATA ***** This application is a CON of 17/872,378 07/25/2022 PAT 11533587 which is a CON of 17/740,919 05/10/2022 PAT 11445338 which is a CON of 17/717,720 04/11/2022 PAT 11425541 which is a CON of 17/348,348 06/15/2021 PAT 11432115 which is a CON of 17/228,210 04/12/2021 PAT 11218847 which is a CON of 17/131,103 12/22/2020 PAT 11044584 which is a CON of 16/897,161 06/09/2020 PAT 10893395 which is a CON of 16/714,113 12/13/2019 PAT 11089450 which is a CON of 15/966,965 04/30/2018 ABN which is a CON of 15/011,000 01/29/2016 ABN which is a CON of 14/307,166 06/17/2014 ABN which is a CON of 13/762,347 02/07/2013 PAT 8918127 which is a CON of 12/452,883 07/07/2010 PAT 8401576 which is a 371 of PCT/AU2008/001043 07/18/2008						
** FOREIGN APPLICATIONS ***** AUSTRALIA 2007903979 07/24/2007 AUSTRALIA 2007906230 11/13/2007						
** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** 10/20/2022						
Foreign Priority claimed ☒ Yes ☐ No 35 USC 119(a-d) conditions met ☒ Yes ☐ No Verified and <u>/JOSEPH E DEAN,</u> JR/ Acknowledged <u>Examiner's Signature</u>		☐ Met after Allowance J.D. Initials	STATE OR COUNTRY AUSTRALIA	SHEETS DRAWINGS 7	TOTAL CLAIMS 30	INDEPENDENT CLAIMS 4
ADDRESS VOLPE KOENIG 30 SOUTH 17TH STREET, 18TH FLOOR PHILADELPHIA, PA 19103 UNITED STATES						
TITLE SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE						

FILING FEE RECEIVED 0.00	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit
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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 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. **Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.**

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

3624 7590 03/29/2023
VOLPE KOENIG
30 SOUTH 17TH STREET, 18TH FLOOR
PHILADELPHIA, PA 19103

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.

Brian P. Gordaychik	(Typed or printed name)
/Brian P. Gordaychik/	(Signature)
April 4, 2023	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/959,687	10/04/2022	Graham Merrett	RMT-PT001.18	6972

TITLE OF INVENTION: SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1200	\$0.00	\$0.00	\$1200	06/29/2023

EXAMINER	ART UNIT	CLASS-SUBCLASS
DEAN, JR, JOSEPH E	2647	370-338000

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/AIA/122 or PTO/SB/122) attached.

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

2. For printing on the patent front page, list

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

(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.

1 Volpe Koenig

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

REMBRANDT MESSAGING TECHNOLOGIES II, LP.

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

West Conshohocken, PA

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)

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

☒ Electronic Payment via Patent Center or 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. 22-0493

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 /Brian P. Gordaychik/

Date April 4, 2023

Typed or printed name Brian P. Gordaychik

Registration No. 62,179

Electronic Patent Application Fee Transmittal				
Application Number:		17959687		
Filing Date:		04-Oct-2022		
Title of Invention:		SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE		
First Named Inventor/Applicant Name:		Graham Merrett		
Filer:		brian gordaychik/Shaylynn McNally		
Attorney Docket Number:		RMT-PT001.18		
Filed as Large Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
UTILITY APPL ISSUE FEE	1501	1	1200	1200

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				1200

Electronic Acknowledgement Receipt	
EFS ID:	47787901
Application Number:	17959687
International Application Number:	
Confirmation Number:	6972
Title of Invention:	SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE
First Named Inventor/Applicant Name:	Graham Merrett
Customer Number:	3624
Filer:	brian gordaychik/Shaylynn McNally
Filer Authorized By:	brian gordaychik
Attorney Docket Number:	RMT-PT001.18
Receipt Date:	04-APR-2023
Filing Date:	04-OCT-2022
Time Stamp:	19:54:26
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$1200
RAM confirmation Number	E202344J57417919
Deposit Account	220493
Authorized User	Shaylynn McNally
<p>The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:</p> <p>37 CFR 1.16 (National application filing, search, and examination fees)</p> <p>37 CFR 1.17 (Patent application and reexamination processing fees)</p>	

37 CFR 1.19 (Document supply fees)
 37 CFR 1.20 (Post Issuance 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	Issue Fee Payment (PTO-85B)	RMT-PT001_18-Issue-Fee-EFS.pdf	207105	no	1
			c8a59211ba386bc12720d7e066a072bed8bfe481		

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	38243	no	2
			882e7d1eb2647ae1069370048831d86831b3bb79		

Warnings:

Information:

Total Files Size (in bytes):	245348
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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.



UNITED STATES PATENT AND TRADEMARK OFFICE

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

NOTICE OF ALLOWANCE AND FEE(S) DUE

3624 7590 03/29/2023
VOLPE KOENIG
30 SOUTH 17TH STREET, 18TH FLOOR
PHILADELPHIA, PA 19103

EXAMINER

DEAN, JR, JOSEPH E

ART UNIT

PAPER NUMBER

2647

DATE MAILED: 03/29/2023

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/959,687	10/04/2022	Graham Merrett	RMT-PT001.18	6972

TITLE OF INVENTION: SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1200	\$0.00	\$0.00	\$1200	06/29/2023

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 40% the amount of undiscounted fees, and micro entity fees are 20% the amount of undiscounted 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. 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 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. **Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.**

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/959,687	10/04/2022	Graham Merrett	RMT-PT001.18	6972

TITLE OF INVENTION: SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE

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nonprovisional	UNDISCOUNTED	\$1200	\$0.00	\$0.00	\$1200	06/29/2023

EXAMINER	ART UNIT	CLASS-SUBCLASS
DEAN, JR, JOSEPH E	2647	370-338000

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/AIA/122 or PTO/SB/122) attached.

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

2. For printing on the patent front page, list

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

(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.

1 _____

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)

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

☐ Electronic Payment via Patent Center or 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

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/959,687	10/04/2022	Graham Merrett	RMT-PT001.18	6972
3624	7590	03/29/2023	EXAMINER	
VOLPE KOENIG			DEAN, JR, JOSEPH E	
30 SOUTH 17TH STREET, 18TH FLOOR			ART UNIT	
PHILADELPHIA, PA 19103			PAPER NUMBER	
			2647	
DATE MAILED: 03/29/2023				

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. 17/959,687	Applicant(s) Merrett, Graham	
	Examiner JOSEPH E DEAN, JR	Art Unit 2647	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 3/6/23.
☐ 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 1-30 . 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. ☒ Notice of References Cited (PTO-892)	5. ☐ Examiner's Amendment/Comment
2. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.	6. ☒ Examiner's Statement of Reasons for Allowance
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.	7. ☐ Other _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. _____.	

/JOSEPH E DEAN, JR/ Primary Examiner, Art Unit 2647	
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Notice of Pre-AIA or AIA Status

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

Allowable Subject Matter

2. In view of amended claims filed on 03/06/23, terminal disclaimer and further search, Claims 1-30 are allowed over prior art.

The following is a statement of reasons for the indication of allowable subject matter: It's interpreted, the prior art of record either singularly or in proper combination fails to teach wherein after the second response is received by the sending mobile phone, the sending mobile phone sends the second message as a packet switched message, via a wireless local area network (WLAN) and the PSMS, to the second receiving mobile phone, wherein at the time the packet switched message is sent, the second receiving mobile phone is not connected to the at least one server, wherein the packet switched message is queued until the second receiving mobile phone connects to the at least one server; the PSMS is a service for sending and receiving packet switched messages other than SMS, enhanced message service (EMS) and multimedia message service (MMS) messages.

Prior art teaches a method for providing access to content using a global textsite platform (GTP), including receiving, from a user device associated with a device identifier, a first user message including a first navigation state identifier of a sequential plurality of navigation state identifiers, identifying a first text page of the textsite associated with the first navigation state identifier and a system and method are disclosed for communicating messages between users that use different messaging services. A message from a user communication device is communicated to a remote user communication device using a first messaging service. The remote user communication device communicates messages using a second messaging service.

However, the prior art fails to teach the claimed limitation wherein after the second response is received by the sending mobile phone, the sending mobile phone sends the second message as a packet switched message, via a wireless local area network (WLAN) and the PSMS, to the second receiving mobile phone, wherein at the time the packet switched message is sent, the second receiving mobile phone is not connected to the at least one server, wherein the packet switched message is queued until

the second receiving mobile phone connects to the at least one server; the PSMS is a service for sending and receiving packet switched messages other than SMS, enhanced message service (EMS) and multimedia message service (MMS) messages. Therefore, the prior art of record either singularly or in combination fails to teach the above claimed limitations for claim 1, 17, 22 and 25 is therefore the reason for allowance. All dependent claims are therefore allowed under same reasons set forth above.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOSEPH E DEAN, JR whose telephone number is (571)270-7116. The examiner can normally be reached Mon-Fri 7:30-3:30.

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, Srilakshmi Kumar can be reached on 571-272-7769. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of published or unpublished applications may be obtained from Patent Center. Unpublished application information in Patent Center is available to registered users. To file and manage patent submissions in Patent Center, visit: <https://patentcenter.uspto.gov>. Visit <https://www.uspto.gov/patents/apply/patent-center> for more information about Patent Center and <https://www.uspto.gov/patents/docx> for information about filing in DOCX format. For additional questions, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/JOSEPH E DEAN, JR/
Primary Examiner, Art Unit 2647

<i>Notice of References Cited</i>	Application/Control No. 17/959,687		Applicant(s)/Patent Under Reexamination Merrett, Graham	
	Examiner JOSEPH E DEAN, JR		Art Unit 2647	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20070299930-A1	12-2007	Wendelrup; Heino	H04L67/06	709/217
	B					
	C					
	D					
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

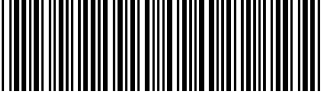
FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

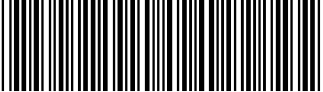
*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Issue Classification 	Application/Control No. 17/959,687	Applicant(s)/Patent Under Reexamination Merrett, Graham
	Examiner JOSEPH E DEAN, JR	Art Unit 2647

CPC						
Symbol					Type	Version
H04W	/	4	/	14	F	2013-01-01
H04W	/	4	/	18	I	2013-01-01
H04L	/	69	/	24	I	2013-01-01
H04L	/	51	/	56	I	2022-05-01
H04L	/	51	/	58	I	2022-05-01
H04W	/	8	/	183	I	2013-01-01
H04L	/	51	/	04	A	2013-01-01
H04W	/	84	/	12	A	2013-01-01
H04W	/	88	/	06	A	2013-01-01

CPC Combination Sets					
Symbol				Type	Version
/		/			

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 30	
/JOSEPH E DEAN, JR/ Primary Examiner, Art Unit 2647 (Primary Examiner) _____ (Date) 24 March 2023		O.G. Print Claim(s) 1	O.G. Print Figure 3

Issue Classification 	Application/Control No. 17/959,687	Applicant(s)/Patent Under Reexamination Merrett, Graham
	Examiner JOSEPH E DEAN, JR	Art Unit 2647

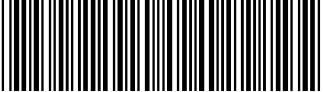
INTERNATIONAL CLASSIFICATION			
CLAIMED			
H04W		8	18

NON-CLAIMED			

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS

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

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	30	
/JOSEPH E DEAN, JR/ Primary Examiner, Art Unit 2647	24 March 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	3

Issue Classification 	Application/Control No. 17/959,687	Applicant(s)/Patent Under Reexamination Merrett, Graham
	Examiner JOSEPH E DEAN, JR	Art Unit 2647

☒ 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

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 30	
/JOSEPH E DEAN, JR/ Primary Examiner, Art Unit 2647 (Primary Examiner) _____ (Date) 24 March 2023		O.G. Print Claim(s) 1	O.G. Print Figure 3

<i>Search Notes</i> 	Application/Control No. 17/959,687	Applicant(s)/Patent Under Reexamination Merrett, Graham
	Examiner JOSEPH E DEAN, JR	Art Unit 2647

CPC - Searched*		
Symbol	Date	Examiner
H04W4/14 or H04L51/56 or H04L51/58 or H04L69/24 or H04W4/18 or H04W8/183 or H04L51/04 or H04W84/12 or H04W88/06	12/14/2022	J. Dean

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

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

Search Notes		
Search Notes	Date	Examiner
PE2E and Text search	12/14/2022	J. Dean
PE2E and text search; claims and inventor's search	03/23/2023	J. Dean

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
H04W	4/14, 4/18, 8/183, 84/12, 88/06	03/23/2023	J. Dean
H04L	51/56, 51/58, 69/24, 51/04	03/23/2023	J. Dean

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT APPLICATION** of:

Merrett

Application No.: 17/959,687

Confirmation No.: 6972

Filed: October 4, 2022

For: SERVER THAT SENDS A RESPONSE
WHEN A MOBILE PHONE HAS AN ACTIVE
STATUS WITH A PACKET SWITCHED
MESSAGE SERVICE

Group: 2647

Examiner: Joseph T. Dean, Jr.

Our File: RMT-PT001.18

Date: February 8, 2023

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment (via EFS)
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Commissioner:

Further to the Applicant's Duty of Disclosure pursuant to 37 C.F.R. §1.56, the Applicant wishes to bring to the Examiner's attention the material cited on the enclosed PTO Form SB-08. Pursuant to 37 C.F.R. §1.98(a)(2)(ii), a copy of the cited U.S. patent publication has not been included.

This Application is a continuation of U.S. Patent Application No. 17/872,378, filed July 25, 2022, which is a continuation of U.S. Patent Application No. 17/740,919,

7786775.1

/JOSEPH E DEAN, JR/

03/24/2023

Applicant: Rembrandt Messaging Technologies II, LP.
Application No.: 17/959,687

filed May 10, 2022, which issued September 13, 2022 as U.S. Patent No. 11,445,338, which is a continuation of U.S. Patent Application No. 17/717,720, which was filed April 11, 2022, which is a continuation of U.S. Patent Application No. 17/348,348, which was filed June 15, 2021, which is a continuation of U.S. Patent Application No. 17/228,210, filed April 12, 2021, which is a continuation of U.S. Patent Application No. 17/131,103, filed December 22, 2020, which issued June 22, 2021 as U.S. Patent No. 11,044,584, which is a continuation of U.S. Patent Application No. 16/897,161, filed June 9, 2020, which issued January 12, 2021 as U.S. Patent No. 10,893,395, which is a continuation of U.S. Patent Application No. 16/714,113, filed December 13, 2019, which is a continuation of U.S. Patent Application No. 15/966,965, filed April 30, 2018, which is a continuation of U.S. Patent Application No. 15/011,000, filed January 29, 2016, which is a continuation of U.S. Patent Application No. 14/307,166, filed June 17, 2014, which is a continuation of U.S. Patent Application No. 13/762,347, filed February 7, 2013, which issued December 23, 2014 as U.S. Patent No. 8,918,127, which is a continuation of U.S. Patent Application No. 12/452,883, filed July 7, 2010, which issued March 19, 2013 as U.S. Patent No. 8,401,576, which is the U.S. National Stage, under 35 U.S.C. §371, of International Application No. PCT/AU2008/001043, filed July 18, 2008, which claims the benefit of Australian Patent Application No. 2007906230, filed November 13, 2007 and Australian Patent Application No. 2007903979, filed July 24, 2007. U.S. Patent Application No. 17/959,697 is also a continuation of U.S. Patent Application No. 17/872,378.

7786775.1

/JOSEPH E DEAN, JR./

03/24/2023

Applicant: Rembrandt Messaging Technologies II, LP.

Application No.: 17/959,687

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.E.D/

The Applicant would like to bring the following Applications to the Examiner's attention: U.S. Patent Application No. 16/924,801, filed July 9, 2020, which issued February 16, 2021 as U.S. Patent No. 10,924,896; and U.S. Patent Application No. 17/114,645, filed December 8, 2020, which issued May 18, 2021 as U.S. Patent No. 11,012,827.

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO Form SB-08 indicating consideration of the cited materials.

Respectfully submitted,

Rembrandt Messaging
Technologies II, LP.

/JOSEPH E DEAN, JR/

03/24/2023

By /Brian P. Gordaychik /
Brian P. Gordaychik
Registration No. 62,179
(215) 568-6400

Volpe Koenig
30 South 17th Street
Suite 1800
Philadelphia, PA 19103

BPG/PCK
Enclosures

7786775.1

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	96875	((recei\$4 OR obtain\$3) near4 (packet switched) near3 (message OR text))	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/09 09:04 PM
L2	772559	((format\$4 OR arrang\$4) near4 (message OR text))	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/09 09:09 PM
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L4	22550	1 AND 2	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2022/09/09 09:16 PM

L5	1952	4 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/09 09:16 PM
L6	48	((transmit\$4 OR send\$3 OR forward\$3) near4 (message OR text) near4 (WLAN) near4 (provider))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/09 09:28 PM
L7	40	6 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN,	OR	ON	ON	2022/09/09 09:28 PM

L8	30	7 AND 2	WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/09 09:29 PM
L9	16689	((format\$4 OR arrang\$4) near4 (message OR text) near4 (EMS OR MMS OR SMS))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/09 11:00 PM
L10	3418	((time OR period) near4(between) near4 (first AND second) near4 (message OR text))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/09 11:31 PM
L11	0	((provider) near4 (unaware OR ignorant OR uninform\$2 OR "not aware") near4 (time OR timing) near4 (message OR text))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2022/09/09 11:48 PM

L12	16	((provider) near4 (unaware OR ignorant OR uninformed OR "not aware") near4 (time OR timing))	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/09 11:49 PM
L13	16	((provider) near4 (unaware OR ignorant OR uninformed OR "not aware") near4 (time OR timing OR "phone number"))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 07:23 AM
L14	26	((provider) near4 (unaware OR ignorant OR uninformed OR "not aware") near4 (time OR timing OR "phone number" OR email))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 07:24 AM

L15	0	((("packet switching message") near4 (subscri\$5) near4 (service) near4 (mobile OR "UE" OR "user equipment" OR "subscriber station" OR smartphone OR "PDA"))	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 08:09 AM
L16	0	((("packet switching message") near4 (service) near4 (mobile OR "UE" OR "user equipment" OR "subscriber station" OR smartphone OR "PDA"))	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 08:09 AM
L17	248	((("packet switching ") near4 (message OR text) near4 (mobile OR "UE" OR "user equipment" OR "subscriber station" OR smartphone OR "PDA"))	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 08:10 AM
L18	116	((("packet switching ") near4 (message OR text) near4 (service) near5 (mobile OR "UE" OR "user equipment" OR "subscriber station" OR smartphone OR "PDA"))	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	OR	ON	ON	2022/09/10 08:11 AM

L19	25	18 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 08:11 AM
L20	63	17 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 08:16 AM
L21	3475	((("packet switching ") near4 (message OR text))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 08:21 AM
L22	308	21 AND ((H04W4/14	(US-PGPUB; USPAT;	OR	ON	ON	2022/09/10

		OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				08:21 AM
L23	3709	((("packet switching ") near4 (message OR text OR SMS))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 08:28 AM
L24	47148	((author\$7 OR author\$8) near5 (phone OR mobile) near4 (number))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 08:29 AM
L25	23	23 AND 24	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL,	OR	ON	ON	2022/09/10 08:29 AM

L26	3	25 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 08:31 AM
L27	270	((("packet switching ") near4 (SMS) near4 (message))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 08:32 AM
L28	36	27 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 08:32 AM
L29	3871	24 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY,	OR	ON	ON	2022/09/10 08:57 AM

L30	647	H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.) (("packet switching ") near4 (SMS))	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 08:58 AM
L31	3	30 AND 29	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 08:58 AM
L32	5	"17740919"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH,	OR	ON	ON	2022/09/10 10:43 AM

L33	5	"17717720"	TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 10:45 AM
L34	8	"17348348"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 10:47 AM
L35	19	"11044584"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 11:05 AM
L36	23	"10893395"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2022/09/10 11:11 AM

L37	17	"11218847"	EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 11:12 AM
L38	922	((authent\$7 OR author\$8) near5 (phone OR mobile) near4 (number) near3 (SMS))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 11:49 AM
L39	202	38 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 11:49 AM

L40	16	39 AND 9	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 11:50 AM
L41	4489	((("content provider" OR provider) near4 (locat\$3 OR posit\$3) near4 (data OR inform\$6) near5 (request\$3 OR demand\$3))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 01:23 PM
L42	188	41 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 01:23 PM
L43	57	((("content provider" OR provider) near4 (locat\$3 OR posit\$3) near4 (data OR inform\$6) near5 (request\$3 OR demand\$3) near20 (email OR e-mail))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	OR	ON	ON	2022/09/10 01:24 PM

L44	0	43 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 01:24 PM
L45	2209	"voting button"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 02:06 PM
L46	87	45 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 02:06 PM

L47	39	((identifier) near4 (map) near4 (phone) near5 (number) near4 (device OR mobile OR "UE" OR "user equipment"))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 03:00 PM
L48	5	47 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 03:00 PM
L49	97900	((recei\$4 OR obtain\$3) near4 (packet switched) near3 (message OR text))	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/28 11:20 AM
L50	0	((send\$3 OR transmit\$4 OR forward\$3) near4 ("packet switching message" OR "psms") near4 (subscri\$5) near4 (address OR email) near4 (mobile OR "UE" OR "user equipment" OR "subscriber station"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL,	OR	ON	ON	2022/10/28 01:22 PM

L51	2600	OR smartphone OR "PDA")) .clm. ((packet) near4 (switch\$3) near4 (message OR text) near4 (service))	NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 07:59 AM
L52	3077	((packet) near4 (switch\$3) near4 (message OR text OR "sms") near4 (service))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 08:00 AM
L53	52403692	((send\$3 OR transmit\$4 OR forward\$3) (mobile OR "UE" OR "user equipment" OR "subscriber station" OR smartphone OR "PDA") near4 (extract\$3 OR collect\$3) near4 (informa\$4 OR data))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 08:05 AM
L54	34954	((send\$3 OR transmit\$4 OR forward\$3) near4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT,	OR	ON	ON	2022/12/15 08:06 AM

L55	36	(mobile OR "UE" OR "user equipment" OR "subscriber station" OR smartphone OR "PDA") near4 (extract\$3 OR collect\$3) near4 (informa\$4 OR data))	AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 08:06 AM
L56	10	52 AND 54	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 08:07 AM
L57	163874	55 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 09:07 AM
		("Mobile instant messaging" OR "MIM")	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE,				

L58	5	((("Mobile instant messaging" OR "MIM") near4 (broken OR interrupt\$5 OR weak\$2 OR temporary OR inconstant OR unsteady) near4 (connection OR internet))	SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 09:13 AM
L59	3	((("Mobile instant messaging" OR "MIM") near4 (broken OR interrupt\$5 OR loss) near4 (connection OR internet))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 09:16 AM
L60	1288	57 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 09:16 AM
L61	11	54 AND 60	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2022/12/15 09:17 AM

L62	203	"5313582"	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 09:35 AM
L63	175	"5729544"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 09:35 AM
L64	146	"6678524"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 09:36 AM

L65	64	"6707472"	WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 09:49 AM
L66	110	"6987985"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 09:50 AM
L67	8	"20020077131"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 09:57 AM
L68	12	"20030040300"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 09:59 AM

L69	10	"20060056309"	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 10:02 AM
L70	12	"20060026237"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 10:04 AM
L71	2	"20060293028"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 10:05 AM

L72	6	"20070055634"	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 10:10 AM
L73	12	"20080004051"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 10:12 AM
L74	3	"20090305729"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 10:16 AM
L75	12	"20100131858"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	OR	ON	ON	2022/12/15 10:19 AM

L76	15	"20120042021"	MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 10:20 AM
L77	4	"17872378"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 11:36 AM
L78	57	("MERRETT GRAHAM").in.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 11:42 AM
L79	25	((inactive OR active)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/16

L80	38	near4 (status OR condition) near4 (PSMS))	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	07:58 AM
		((inactive OR active) near4 (status OR condition) near4 ("PSMS" OR "packet switch"))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/16 08:04 AM
L81	11	80 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/16 08:06 AM
L82	25	((inactive OR active) near4 (status OR condition) near4 ("PSMS" OR "packet switch message service"))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL,	OR	ON	ON	2022/12/16 08:09 AM

L83	300	((server) near4 (outside) near4 ("cellular network"))	PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/16 10:17 AM
L84	27	83 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/16 10:18 AM
L85	8	"17959687"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/16 11:32 AM
L86	2088	((server) near4 (rece\$4 OR obtain\$3) near4 (mobile OR smartphone	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY,	OR	ON	ON	2022/12/17 03:10 PM

L87	164	OR "PDA" OR "user equipment" OR "subscriber station") near4 (capabilit\$4 OR prospects OR abilit\$4 OR potential OR capacity OR value))	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/17 03:10 PM
L88	0	86 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/17 03:11 PM
L89	1	30 AND 87	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/17 03:13 PM
		49 AND 87	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH,				

L90	0	((send\$3 OR transmit\$4 OR forward\$3) near4 ("packet switching message" OR "psms") near4 (subscri\$5) near4 (address OR email) near4 (mobile OR "UE" OR "user equipment" OR "subscriber station" OR smartphone OR "PDA"))	TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/24 08:41 AM
L91	9	((send\$3 OR transmit\$4 OR forward\$3) near4 ("packet switching message" OR "psms") near4 (subscri\$5) near4 (address OR email))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/24 08:42 AM
L92	37009	((mobile OR "UE" OR "user equipment" OR "subscriber station" OR smartphone OR "PDA") near4(send\$3 OR transmit\$4 OR forward\$3) near4 (sms OR "short message service"))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/24 08:45 AM
L93	862	((mobile OR "UE" OR "user equipment" OR "subscriber station" OR smartphone OR "PDA") near4(send\$3 OR	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2023/03/24 08:47 AM

L94	3097	transmit\$4 OR forward\$3) near4 (sms OR "short message service") near8 (cellular OR PSMS OR "packet switched"))	EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/24 08:48 AM
L95	0	((server) near4 (rece\$4 OR obtain\$3) near4 (mobile OR smartphone OR "PDA" OR "user equipment" OR "subscriber station") near4 (capabilit\$4 OR prospects OR abilit\$4 OR potential OR capacity OR value OR status))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/24 08:48 AM
L96	14	93 AND 94	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/24 08:51 AM
		((server) near4 (PSMS) near4 (capabilit\$4 OR prospects OR abilit\$4 OR potential OR capacity OR value OR status) near7 (data OR information))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO;				

L97	291971	((server) near4 (capabilit\$4 OR prospects OR abilit\$4 OR potential OR capacity OR value OR status) near7 (data OR information))	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/24 08:51 AM
L98	38	93 AND 97	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/24 08:51 AM
L99	16	98 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/24 08:52 AM
L100	4296	((mobile OR "UE" OR "user equipment" OR "subscriber station" OR smartphone OR "PDA") near4(recei\$4 OR obtain\$3) near4 (target	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2023/03/24 09:02 AM

		OR destination) near3 (address))	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L101	128	97 AND 100	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/24 09:03 AM
L102	15	101 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/24 09:03 AM
L103	198	((send\$3 OR transmit\$4 OR forward\$3) near4(message OR text) near6 ("packet switching message" OR "psms") AND (wlan))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2023/03/24 09:15 AM

L104	29	97 AND 103	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/24 09:16 AM
L106	8	104 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/24 09:16 AM

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N1	28908	((recei\$4 OR obtain\$3) near4 (packet switched) near3 (message OR text))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 11:29 AM
N2	0	((message OR text) near5(format\$4 OR arrang\$4) near4 ("not" OR no OR never) near6 (EMS OR MMS OR SMS))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 11:45 AM
N3	10093	((message OR text) near5(format\$4 OR arrang\$4) near6 (EMS OR MMS OR SMS))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 11:46 AM
N4	2	((message OR text) near5(format\$4 OR arrang\$4) near4 ("not" OR no OR never OR	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 11:46 AM

N5	18	unawar\$2 OR unknown) near6 (EMS OR MMS OR SMS)) ((transmit\$4 OR send\$3 OR forward\$3) near4 (message OR text) near4 (WLAN) near4 (provider))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 12:17 PM
N6	0	((send\$3 OR transmit\$4 OR forward\$3) near4 ("packet switching message" OR "psms") near4 (subscri\$5) near4 (address OR email) near4 (mobile OR "UE" OR "user equipment" OR "subscriber station" OR smartphone OR "PDA")).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 01:22 PM
N7	0	(("packet switching message" OR "psms") near4 (subscri\$5) near4 (address OR email) near4 (mobile OR "UE" OR "user equipment" OR "subscriber station" OR smartphone OR "PDA")).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 01:23 PM
N8	0	(("packet switching message" OR "psms") near4 (subscri\$5) near4 (address OR email) near4 (mobile OR "UE" OR "user equipment" OR "subscriber station" OR smartphone OR "PDA"))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 01:23 PM
N9	17	((recei\$4 OR obtain\$3) near4 ("packet switched" OR "packet switching" OR "PSMS") near4 (address OR email) near7 (mobile OR "UE" OR "user equipment" OR "SS" OR "subscriber station" OR "PDA" OR smartphone))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 01:33 PM
N10	127	((server) near4 (rece\$4 OR obtain\$3) near4 (mobile OR smartphone OR "PDA" OR "user equipment" OR "subscriber station") near4 (capabilit\$4 OR prospects OR abilit\$4	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24 09:46 AM

N11	35	OR potential OR capacity OR value OR status)).clm. ((mobile OR "UE" OR "user equipment" OR "subscriber station" OR smartphone OR "PDA") near4(send\$3 OR transmit\$4 OR forward\$3) near4 (sms OR "short message service") near8 (cellular OR PSMS OR "packet switched")).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24 09:47 AM
N12	0	10 AND 11	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24 09:48 AM
N13	10791	((server) near4 (capabilit\$4 OR prospects OR abilit\$4 OR potential OR capacity OR value OR status) near7 (data OR information)).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24 09:49 AM
N14	159	((mobile OR "UE" OR "user equipment" OR "subscriber station" OR smartphone OR "PDA") near4(recei\$4 OR obtain\$3) near4 (target OR destination) near3 (address)).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24 09:50 AM
N15	0	13 AND 14	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24 09:50 AM
N16	21	14 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24 09:52 AM
N17	16	10 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24 09:55 AM
N18	3	((send\$3 OR transmit\$4 OR forward\$3) near4(message OR text) near6 ("packet	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24 09:56 AM

N19	35	switching message" OR "psms") AND (wlan)).clm. ("MERRETT GRAHAM").in.	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/24 09:58 AM
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Doc Code: DIST.E.FILE Document Description: Electronic Terminal Disclaimer - Filed		PTO/SB/25 U.S. Patent and Trademark Office Department of Commerce	
Electronic Petition Request	TERMINAL DISCLAIMER TO OBTAIN A PROVISIONAL DOUBLE PATENTING REJECTION OVER A PENDING "REFERENCE" APPLICATION		
Application Number	17959687		
Filing Date	04-Oct-2022		
First Named Inventor	Graham Merrett		
Attorney Docket Number	RMT-PT001.18		
Title of Invention	SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE		
☒ Filing of terminal disclaimer does not obviate requirement for response under 37 CFR 1.111 to outstanding Office Action ☒ This electronic Terminal Disclaimer is not being used for a Joint Research Agreement.			
Owner		Percent Interest	
REMBRANDT MESSAGING TECHNOLOGIES II		100%	
The owner(s) of 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 any patent granted on pending reference Application Number(s)			
17959697 filed on 10/04/2022 as the term of any patent granted on said reference application may be shortened by any terminal disclaimer filed prior to the grant of any patent on the pending reference application. 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 any patent granted on the reference application are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns. In making the above disclaimer, the owner does not disclaim the terminal part of any patent granted on the instant application that would extend to the expiration date of the full statutory term of any patent granted on said reference application, "as the term of any patent granted on said reference application may be shortened by any terminal disclaimer filed prior to the grant of any patent on the pending reference application," in the event that any such patent granted on the pending reference application: 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 shortened by any terminal disclaimer filed prior to its grant.			
☒ Terminal disclaimer fee under 37 CFR 1.20(d) is included with Electronic Terminal Disclaimer request.			

☐ I certify, in accordance with 37 CFR 1.4(d)(4), that the terminal disclaimer fee under 37 CFR 1.20(d) required for this terminal disclaimer has already been paid in the above-identified application.	
Applicant claims the following fee status: ☐ Small Entity ☐ Micro Entity ☒ Regular Undiscounted	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.	
THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES I certify, in accordance with 37 CFR 1.4(d)(4) that I am: ☒ An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application Registration Number <u>62179</u> ☐ 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	/Brian P. Gordaychik/
Name	Brian P. Gordaychik

*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:		17959687		
Filing Date:		04-Oct-2022		
Title of Invention:		SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE		
First Named Inventor/Applicant Name:		Graham Merrett		
Filer:		brian gordaychik/Shaylynn McNally		
Attorney Docket Number:		RMT-PT001.18		
Filed as Large 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	1814	1	170	170
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 (\$)				170

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

Application No.: 17959687

Filing Date: 04-Oct-2022

Applicant/Patent under Reexamination: Merrett

Electronic Terminal Disclaimer filed on March 6, 2023

☒ 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:	47632814
Application Number:	17959687
International Application Number:	
Confirmation Number:	6972
Title of Invention:	SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE
First Named Inventor/Applicant Name:	Graham Merrett
Customer Number:	3624
Filer:	brian gordaychik/Shaylynn McNally
Filer Authorized By:	brian gordaychik
Attorney Docket Number:	RMT-PT001.18
Receipt Date:	06-MAR-2023
Filing Date:	04-OCT-2022
Time Stamp:	15:58:11
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$170
RAM confirmation Number	E202336F58088102
Deposit Account	220493
Authorized User	Shaylynn McNally
<p>The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:</p> <p>37 CFR 1.16 (National application filing, search, and examination fees)</p> <p>37 CFR 1.17 (Patent application and reexamination processing fees)</p>	

37 CFR 1.19 (Document supply fees)
 37 CFR 1.20 (Post Issuance 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	Terminal Disclaimer-Filed (Electronic)	eTerminal-Disclaimer.pdf	43883	no	2
			dc3cd217f14e27f41eae1729b63c575f8a5298		

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	38229	no	2
			a44efdc01bf10facc96bcd57ef528148bce44		

Warnings:

Information:

Total Files Size (in bytes):	82112
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This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT APPLICATION** of:

REMBRANDT MESSAGING

TECHNOLOGIES II

Application No.: 17/959,687

Confirmation No.: 6972

Filed: October 4, 2022

For: SERVER THAT SENDS A
RESPONSE WHEN A MOBILE PHONE HAS
AN ACTIVE STATUS WITH A PACKET
SWITCHED MESSAGE SERVICE

Group: 2647

Examiner: Joseph E. Dean Jr.

Our File: RMT-PT001.18

Date: March 6, 2023

RESPONSE PURSUANT TO 37 C.F.R. §1.111

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

This Response and Terminal Disclaimer are being timely filed in response to the Non-Final Office Action dated December 22, 2022.

Please amend the application without prejudice or disclaimer as follows:

Amendments to the Claims:

This listing of the claims will replace all prior versions of the claims in the application:

1. (Currently amended) A system comprising:

a sending mobile phone that transmits short message service (SMS) messages via a cellular network and packet switched messages via a packet switched message service (PSMS); and

at least one server that supports the PSMS, and maintains status information ~~and queues messages for later delivery;~~

wherein:

the sending mobile phone retrieves a destination address of a first message from the first message, wherein the destination address of the first message is a phone number of a first receiving mobile phone;

the sending mobile phone sends first information representing a the phone number of a the first receiving mobile phone to the at least one server;

the at least one server, in response to receipt of the first information, sends a first response to the sending mobile phone when the phone number of the first receiving mobile phone is not identified as a subscriber of the PSMS;

after the first response is received by the sending mobile phone, the sending mobile phone sends the first message as an SMS message to the first receiving mobile phone;

the sending mobile phone retrieves a destination address of a second message from the second message, wherein the destination address of the second message is a phone number of a second receiving mobile phone;

the sending mobile phone sends second information representing a the phone number of a the second receiving mobile phone to the at least one server;

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the at least one server, in response to receipt of the second information and conditioned on the phone number of the second receiving mobile phone being identified as a subscriber of the PSMS and the second receiving mobile phone having an active status with the PSMS, sends a second response to the sending mobile phone;

after the second response is received by the sending mobile phone, the sending mobile phone sends the second message as a packet switched message, via a wireless local area network (WLAN) and the PSMS, to the second receiving mobile phone, wherein at the time the packet switched message is sent, the second receiving mobile phone is not connected to the at least one server, wherein the packet switched message is queued ~~by the at least one server~~ until the second receiving mobile phone connects to the at least one server;

the PSMS is a service for sending and receiving packet switched messages other than SMS, enhanced message service (EMS) and multimedia message service (MMS) messages; and

content of the SMS message and content of the packet switched message is displayed by a same messaging ~~application~~ client.

2. (Original) The system of claim 1, wherein the second receiving mobile phone has an active status with the PSMS in at least one case when the second receiving mobile phone is not connected to the at least one server.

3. (Original) The system of claim 1, wherein the second receiving mobile phone has an active status with the PSMS in at least one case when the second receiving mobile phone is connected to the at least one server and the second receiving mobile phone has an active status with the PSMS in at least one case when the second receiving mobile phone is not connected to the at least one server.

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4. (Currently amended) The system of claim 1, wherein the second receiving mobile phone has an inactive status with the PSMS subsequent to a plurality of messages being queued for the second receiving mobile phone;

wherein the PSMS routes at least some messages between PSMS subscribers according to an email address.

5. (Original) The system of claim 1, wherein the status information maintained by the at least one server is maintained in accordance with an undelivered message queue.

6. (Original) The system of claim 1, wherein the second receiving mobile phone has an inactive status with the PSMS when an inactivity parameter associated with the second receiving mobile phone exceeds a threshold.

7. (Original) The system of claim 1, wherein the second receiving mobile phone has an active status with the PSMS after a message queued for the second receiving mobile phone is delivered to the second receiving mobile phone.

8. (Original) The system of claim 1, wherein the second receiving mobile phone has an active status with the PSMS at a point in time subsequent to a message queued for the second receiving mobile phone being delivered to the second receiving mobile phone.

9. (Currently amended) The system of claim 1, wherein the second receiving mobile phone has an active status with the PSMS when the second receiving mobile phone is connected to the at least one server and the second receiving mobile phone remains active for a time period after the second receiving mobile phone is not

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connected to the at least one server, after which the second receiving mobile phone has an inactive status with the PSMS, wherein a plurality of undelivered messages are queued for the second receiving mobile phone during the time period.

10. (Original) The system of claim 1, wherein:

the sending mobile phone sends the SMS message to the first receiving mobile phone in accordance with the first response;

the sending mobile phone sends the packet switched message to the second receiving mobile phone in accordance with the second response.

11. (Original) The system of claim 4, wherein at least one of the plurality of messages queued for the second receiving mobile phone is a picture message.

12. (Original) The system of claim 4, wherein at least one of the plurality of messages queued for the second receiving mobile phone is a video message.

13. (Currently amended) The system of claim 4, wherein at least one of the plurality of messages queued for the second receiving mobile phone is a voice message;

wherein the messaging ~~application~~ client does not provide a voice message attachment option during a period of time between when the first information is received by the messaging ~~application~~ client and when the second information is received by the messaging ~~application~~ client;

wherein the messaging ~~application~~ client provides a voice messaging attachment option at a time subsequent to when the second information is received by the messaging ~~application~~ client.

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14. (Currently amended) The system of claim 1, wherein the messaging ~~application~~ client displays an indication of a bearer used for transmission of the packet switched message, prior to transmission of the packet switched message.

15. (Currently amended) The system of claim 1, wherein the messaging ~~application~~ client displays an indication of a bearer used for transmission of the SMS message, prior to transmission of the SMS message.

16. (Original) The system of claim 1, wherein at the time the packet switched message is sent, the second receiving mobile phone has an active status with the PSMS; wherein the second response communicates a different query result than the first response.

17. (Currently amended) A method performed by a sending mobile phone that transmits short message service (SMS) messages via a cellular network and packet switched messages via a packet switched message service (PSMS), the method comprising:

authenticating a phone number of the sending mobile phone with the PSMS;

sending first information representing a phone number of a first receiving mobile phone to a server of the PSMS;

receiving a first response when the phone number of the first receiving mobile phone is not identified as a subscriber of the PSMS;

sending, after the first response is received by the sending mobile phone, an SMS message to the first receiving mobile phone;

sending second information representing a phone number of a second receiving mobile phone to the server;

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receiving a second response, when the phone number of the second receiving mobile phone is identified as a subscriber of the PSMS and when the second receiving mobile phone has an active status with the PSMS; and

sending a message, after the second response is received by the sending mobile phone, via a wireless local area network (WLAN) and the PSMS, to the second receiving mobile phone;

wherein the second response communicates different information than the first response;

wherein the PSMS is a service for sending and receiving packet switched messages other than SMS, enhanced message service (EMS) and multimedia message service (MMS) messages;

wherein the SMS message sent to the first receiving mobile phone and the message sent to the second receiving mobile phone are originated via a same messaging ~~application~~ client.

18. (Currently amended) The method of claim 17, further comprising:

sending third information representing a phone number of the second receiving mobile phone to the server;

receiving a third response, when the phone number of the second receiving mobile phone is identified as a subscriber of the PSMS and when the second receiving mobile phone does not have an active status with the PSMS; and

sending, after the third response is received, an SMS message to the second receiving mobile phone;

wherein the third response communicates a same query result as the first response, and the third response communicates a different query result than the second response.

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19. (Original) The method of claim 18, further comprising:
sending, after the third response is received, a multimedia message service (MMS) message to the second receiving mobile phone.

20. (Currently amended) The method of claim ~~17~~ 17, wherein when the second response is received, the second receiving mobile phone is offline from the PSMS, wherein the PSMS routes at least some messages between PSMS subscribers according to an email address.

21. (Currently amended) The method of claim 17, wherein the server is located outside of the cellular network, wherein the PSMS receives and queues messages addressed to a message recipient when the message recipient is not connected to the PSMS.

22. (Currently amended) A method performed by a sending mobile phone that transmits short message service (SMS) messages via a cellular network and packet switched messages via a packet switched message service (PSMS), the method comprising:

sending first information representing a phone number of a first receiving mobile phone to a server of the PSMS;

receiving a first response when the phone number of the first receiving mobile phone is not identified as a subscriber of the PSMS;

sending, after the first response is received by the sending mobile phone, an SMS message to the first receiving mobile phone;

sending second information representing a phone number of a second receiving mobile phone to the server;

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receiving a second response, when the phone number of the second receiving mobile phone is identified as a subscriber of the PSMS and when the second receiving mobile phone has an active status with the PSMS;

sending a message, after the second response is received by the sending mobile phone, via a wireless local area network (WLAN) and the PSMS, to the second receiving mobile phone;

sending third information representing the phone number of the second receiving mobile phone to the server;

receiving a third response, when the phone number of the second receiving mobile phone is identified as a subscriber of the PSMS and when the second receiving mobile phone does not have an active status with the PSMS; and

sending, after the third response is received by the sending mobile phone, an SMS message to the second receiving mobile phone;

wherein the second response communicates different information than the third response; and

wherein content of the SMS message sent to the first receiving mobile phone, content of the message sent via the WLAN and the PSMS to the second receiving mobile phone and content of the SMS message sent to the second receiving mobile phone is displayed by a same messaging ~~application~~ client;

wherein the PSMS routes at least some messages between PSMS subscribers according to an email address.

23. (Original) The method of claim 22, wherein the sending mobile phone is authenticated to the PSMS via SMS.

24. (Currently amended) The method of claim 22, wherein content of the ~~SMS~~ message sent via the WLAN to the second receiving mobile phone and content

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of the SMS message sent to the second receiving mobile phone is displayed in a same interface.

25. (Currently amended) A method performed by a sending mobile phone that transmits short message service (SMS) messages via a cellular network and packet switched messages via a packet switched message service (PSMS), the method comprising:

retrieving, by a messaging client, a destination address of a first message from the first message, wherein the destination address of the first message represents a phone number of a first receiving mobile phone;

sending first information representing a the phone number of a the first receiving mobile phone to a server of the PSMS;

receiving a first response when the phone number of the first receiving mobile phone is not identified as a subscriber of the PSMS;

sending, after the first response is received by the sending mobile phone, the first message as an SMS message to the first receiving mobile phone;

retrieving, by the messaging client, a destination address of a second message from the second message, wherein the destination address of the second message is a phone number of a second receiving mobile phone;

sending second information representing a the phone number of a the second receiving mobile phone to the server;

receiving a second response, when the phone number of the second receiving mobile phone is identified as a subscriber of the PSMS and when the second receiving mobile phone has an active status with the PSMS;

sending a the second message, after the second response is received by the sending mobile phone, via a wireless local area network (WLAN) and the PSMS, to the second receiving mobile phone;

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sending third information representing the phone number of the second receiving mobile phone to the server;

receiving a third response, when the phone number of the second receiving mobile phone is identified as a subscriber of the PSMS and when the second receiving mobile phone does not have an active status with the PSMS; and

sending, after the third response is received by the sending mobile phone, an SMS message to the second receiving mobile phone;

wherein the second response communicates different information than the third response; ~~and~~

wherein content of the SMS message sent to the first receiving mobile phone, content of the second message ~~sent via the WLAN to the second receiving mobile phone~~ and content of the SMS message sent to the second receiving mobile phone is displayed by a same messaging ~~application~~ client.

26. (Currently amended) The method of claim 25, wherein:

the SMS message sent to the first receiving mobile phone is sent in accordance with the first response;

the second message ~~sent to the second receiving mobile phone~~ is sent in accordance with the second response;

the SMS message sent to the second receiving mobile phone is sent in accordance with the third response;

the server is located outside of a cellular network.

27. (Currently amended) The method of claim 25, wherein the first information ~~comprises~~ represents a plurality of phone numbers, wherein the messaging client provides a single interface for sending and receiving both text and multimedia messages.

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28. (Currently amended) The method of claim 25, wherein at the time ~~the second response is received by the sending mobile phone~~ when a status of the second receiving mobile phone is determined by the PSMS, the second receiving mobile phone is not connected to the PSMS.

29. (Currently amended) The method of claim 25, wherein the messaging ~~application~~ client displays an indication of a bearer used for transmission of the second message sent to the second receiving mobile phone, prior to the sending of the second message to the second receiving mobile phone.

30. (Currently amended) The method of claim 25, wherein the messaging ~~application~~ client displays an indication of a bearer used for transmission of the SMS message sent to the first receiving mobile phone, prior to the sending of the SMS message to the first receiving mobile phone.

REMARKS

After the foregoing Amendment, claims 1-30 are currently pending in this application. Claims 1, 4, 9, 13-15, 17-18, 20-22 and 24- 30 are amended.

Request for an Interview

If any of the claims submitted herewith will be rejected by the Examiner, the Applicant respectfully requests a telephonic interview.

Allowable Subject Matter

Applicant thanks the Examiner for indicating that claims 18, 19 and 22-30 contain allowable subject matter.

Claim Objections

The Examiner objected to claim 20 and the Applicant has made the change suggested by the Examiner.

Double Patenting Rejection

Claims 1-17 are rejected under the judicially created doctrine of nonstatutory double patenting as being unpatentable over claims 1-6 of U.S. Patent Application No. 17/959,697.

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Application No.: 17/959,687

Claim 21 provisionally rejected on the ground on the ground of nonstatutory double patenting as being unpatentable of copending Application No. 17/959,697 in view of U.S. Patent Publication No. US2007/0299930 to Wendelrup et al. A Terminal Disclaimer is submitted herewith to overcome the nonstatutory double patenting rejections. Accordingly, withdrawal of the nonstatutory double patenting rejections is respectfully requested.

Remarks

The Applicant would like to correct the Remarks made in the Preliminary Amendment filed on October 4, 2022. On page 2, the Applicant intended that “[c]ertain techniques disclosed by Hildebrand, namely the use of a heartbeat message[[s]] for determining active status and the storing or queuing of incoming messages received when a recipient is ~~inactive~~ offline, are intended to be covered by the pending claims.”

Claim 1 recites that the at least one server sends a second response to the sending mobile phone “conditioned on the phone number of the second receiving mobile phone being identified as a subscriber of the PSMS and the second receiving mobile phone having an active status with the PSMS.” The two conditions recited in the “conditioned on” clause correspond to two conditions that must be satisfied for the at least one server to send the second response to the sending mobile phone. This claim language is not intended to exclude the sending of the second response to the

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sending mobile phone conditioned on further requirements that are applied together with those expressly recited.

Conclusion

If the Examiner believes that any additional minor formal matters need to be addressed in order to place this application in condition for allowance, or that a telephonic interview will help to materially advance the prosecution of this application, the Examiner is invited to contact the undersigned by telephone at the Examiner's convenience.

In view of the foregoing, the Applicant respectfully submits that the present application is in condition for allowance and a notice to that effect is respectfully requested.

Respectfully submitted,

REMBRANDT MESSAGING
TECHNOLOGIES II

By /Brian P. Gordaychik/
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BPG/sem
Enclosure(s) ()

- 15 -

7827036.1

Applicant: REMBRANDT MESSAGING TECHNOLOGIES II
Application No.: 17/959,687

Electronic Acknowledgement Receipt	
EFS ID:	47633857
Application Number:	17959687
International Application Number:	
Confirmation Number:	6972
Title of Invention:	SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE
First Named Inventor/Applicant Name:	Graham Merrett
Customer Number:	3624
Filer:	brian gordaychik/Shaylynn McNally
Filer Authorized By:	brian gordaychik
Attorney Docket Number:	RMT-PT001.18
Receipt Date:	06-MAR-2023
Filing Date:	04-OCT-2022
Time Stamp:	16:03:32
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		RMT-PT001_18-Response-to-NFOA-EFS.pdf	153667	yes	16
			b6ed9781a925d9a0e890330745a2ab3a73218def		

Multipart Description/PDF files in .zip description			
Document Description		Start	End
Amendment/Request for Reconsideration-After Non-Final Rejection		1	1
Claims		2	12
Applicant Arguments/Remarks Made in an Amendment		13	16

Warnings:

Information:

Total Files Size (in bytes):	153667
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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.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875				Application or Docket Number 17/959,687		Filing Date 10/04/2022		☐ To be Mailed		
ENTITY: ☒ LARGE ☐ SMALL ☐ MICRO										
APPLICATION AS FILED - PART I										
		(Column 1)	(Column 2)							
FOR		NUMBER FILED	NUMBER EXTRA		RATE (\$)		FEE (\$)			
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))		N/A	N/A		N/A					
☐ SEARCH FEE (37 CFR 1.16(k), (l), or (m))		N/A	N/A		N/A					
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))		N/A	N/A		N/A					
TOTAL CLAIMS (37 CFR 1.16(j))		minus 20 =	*		x \$100 =					
INDEPENDENT CLAIMS (37 CFR 1.16(h))		minus 3 =	*		x \$480 =					
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))		If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).								
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))										
* If the difference in column 1 is less than zero, enter "0" in column 2.					TOTAL					
APPLICATION AS AMENDED - PART II										
		(Column 1)	(Column 2)		(Column 3)					
AMENDMENT	03/06/2023	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)			
	Total (37 CFR 1.16(j))	* 13	Minus	** 30	= 0	x \$100 =	0			
	Independent (37 CFR 1.16(h))	* 1	Minus	*** 4	= 0	x \$480 =	0			
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))									
						TOTAL ADD'L FEE	0			
AMENDMENT		(Column 1)	(Column 2)		(Column 3)					
		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)			
	Total (37 CFR 1.16(j))	*	Minus	**	=	x \$0 =				
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x \$0 =				
	☐ Application Size Fee (37 CFR 1.16(s))									
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))										
						TOTAL ADD'L FEE				
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.						LIE				
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".						/ANTJUAN M RIVERA/				
*** 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.

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Electronic Acknowledgement Receipt	
EFS ID:	47510502
Application Number:	17959687
International Application Number:	
Confirmation Number:	6972
Title of Invention:	SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE
First Named Inventor/Applicant Name:	Graham Merrett
Customer Number:	3624
Filer:	brian gordaychik
Filer Authorized By:	
Attorney Docket Number:	RMT-PT001.18
Receipt Date:	09-FEB-2023
Filing Date:	04-OCT-2022
Time Stamp:	20:31:22
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	Transmittal Letter	RMT-PT001_18-IDS_transmittal_EFS.pdf	92013	no	3
			28dfeef6ae2d3e361c4ed0db166db34337c259ea		

Warnings:

Information:					
2	Information Disclosure Statement (IDS) Form (SB08)	RMT-PT001_18-SB08-EFS.pdf	1083948	no	1
			612172cfd89f7640ba4d90a3311f197f63fa4fe5		
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
Total Files Size (in bytes):			1175961		
<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>					

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT APPLICATION** of:

Merrett

Application No.: 17/959,687

Confirmation No.: 6972

Filed: October 4, 2022

For: SERVER THAT SENDS A RESPONSE
WHEN A MOBILE PHONE HAS AN ACTIVE
STATUS WITH A PACKET SWITCHED
MESSAGE SERVICE

Group: 2647

Examiner: Joseph T. Dean, Jr.

Our File: RMT-PT001.18

Date: February 8, 2023

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment (via EFS)
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Commissioner:

Further to the Applicant's Duty of Disclosure pursuant to 37 C.F.R. §1.56, the Applicant wishes to bring to the Examiner's attention the material cited on the enclosed PTO Form SB-08. Pursuant to 37 C.F.R. §1.98(a)(2)(ii), a copy of the cited U.S. patent publication has not been included.

This Application is a continuation of U.S. Patent Application No. 17/872,378, filed July 25, 2022, which is a continuation of U.S. Patent Application No. 17/740,919,

7786775.1

Applicant: Rembrandt Messaging Technologies II, LP.
Application No.: 17/959,687

filed May 10, 2022, which issued September 13, 2022 as U.S. Patent No. 11,445,338, which is a continuation of U.S. Patent Application No. 17/717,720, which was filed April 11, 2022, which is a continuation of U.S. Patent Application No. 17/348,348, which was filed June 15, 2021, which is a continuation of U.S. Patent Application No. 17/228,210, filed April 12, 2021, which is a continuation of U.S. Patent Application No. 17/131,103, filed December 22, 2020, which issued June 22, 2021 as U.S. Patent No. 11,044,584, which is a continuation of U.S. Patent Application No. 16/897,161, filed June 9, 2020, which issued January 12, 2021 as U.S. Patent No. 10,893,395, which is a continuation of U.S. Patent Application No. 16/714,113, filed December 13, 2019, which is a continuation of U.S. Patent Application No. 15/966,965, filed April 30, 2018, which is a continuation of U.S. Patent Application No. 15/011,000, filed January 29, 2016, which is a continuation of U.S. Patent Application No. 14/307,166, filed June 17, 2014, which is a continuation of U.S. Patent Application No. 13/762,347, filed February 7, 2013, which issued December 23, 2014 as U.S. Patent No. 8,918,127, which is a continuation of U.S. Patent Application No. 12/452,883, filed July 7, 2010, which issued March 19, 2013 as U.S. Patent No. 8,401,576, which is the U.S. National Stage, under 35 U.S.C. §371, of International Application No. PCT/AU2008/001043, filed July 18, 2008, which claims the benefit of Australian Patent Application No. 2007906230, filed November 13, 2007 and Australian Patent Application No. 2007903979, filed July 24, 2007. U.S. Patent Application No. 17/959,697 is also a continuation of U.S. Patent Application No. 17/872,378.

7786775.1

Applicant: Rembrandt Messaging Technologies II, LP.
Application No.: 17/959,687

The Applicant would like to bring the following Applications to the Examiner's attention: U.S. Patent Application No. 16/924,801, filed July 9, 2020, which issued February 16, 2021 as U.S. Patent No. 10,924,896; and U.S. Patent Application No. 17/114,645, filed December 8, 2020, which issued May 18, 2021 as U.S. Patent No. 11,012,827.

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO Form SB-08 indicating consideration of the cited materials.

Respectfully submitted,

Rembrandt Messaging
Technologies II, LP.

By /Brian P. Gordaychik /
Brian P. Gordaychik
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BPG/PCK
Enclosures



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
17/959,687	10/04/2022	Graham Merrett	RMT-PT001.18

CONFIRMATION NO. 6972

3624

VOLPE KOENIG

30 SOUTH 17TH STREET, 18TH FLOOR
PHILADELPHIA, PA 19103

PUBLICATION NOTICE



Title:SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE

Publication No.US-2023-0024448-A1

Publication Date:01/26/2023

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



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/959,687	10/04/2022	Graham Merrett	RMT-PT001.18	6972
3624	7590	12/22/2022	EXAMINER	
VOLPE KOENIG			DEAN, JR, JOSEPH E	
30 SOUTH 17TH STREET, 18TH FLOOR				
PHILADELPHIA, PA 19103				
ART UNIT		PAPER NUMBER		
2647				
NOTIFICATION DATE		DELIVERY MODE		
12/22/2022		ELECTRONIC		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

eoffice@vklaw.com

Office Action Summary	Application No. 17/959,687	Applicant(s) Merrett, Graham	
	Examiner JOSEPH E DEAN, JR	Art Unit 2647	AIA (FITF) Status No

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

Period for Reply

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

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

Status

1) ☒ Responsive to communication(s) filed on 10/4/22.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on ____.

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

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

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

Disposition of Claims*

5) ☒ Claim(s) 1-30 is/are pending in the application.
5a) Of the above claim(s) ____ is/are withdrawn from consideration.

6) ☒ Claim(s) 22-30 is/are allowed.

7) ☒ Claim(s) 1-17 and 20-21 is/are rejected.

8) ☒ Claim(s) 18-19 is/are objected to.

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

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

Application Papers

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

11) ☒ The drawing(s) filed on 10/04/22 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
Certified copies:
a) ☐ All b) ☐ Some** c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☒ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date ____.

3) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date ____.

4) ☐ Other: ____.

DETAILED ACTION

Notice of Pre-AIA or AIA Status

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

Double Patenting

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

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on nonstatutory double patenting provided the reference application or patent either is shown to be commonly owned with the examined application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement. See MPEP § 717.02 for applications subject to examination under the first inventor to file provisions of the AIA as explained in MPEP § 2159. See MPEP § 2146 *et seq.* for applications not subject to examination under the first inventor to file provisions of the AIA. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

The USPTO Internet website contains terminal disclaimer forms which may be used. Please visit www.uspto.gov/patent/patents-forms. The filing date of the application in which the form is filed determines what form (e.g., PTO/SB/25, PTO/SB/26, PTO/AIA/25, or PTO/AIA/26) should be used. A web-based eTerminal Disclaimer may be filled out completely online using web-screens. An eTerminal Disclaimer that meets all requirements is auto-processed and approved immediately upon submission.

For more information about eTerminal Disclaimers, refer to
www.uspto.gov/patents/process/file/efs/guidance/eTD-info-I.jsp.

3. Claims 1-17 provisionally rejected on the ground of nonstatutory double patenting as being unpatentable over claim 1-6 of copending Application No. 17/959,697. Although the claims at issue are not identical, they are not patentably distinct from each other because the claimed limitations recited in the present application are found in the co-pending application 17/959, 697 with obvious wording variations. Take an example of comparing claim 1 in the pending application and claim 1-3 of co-pending application (17/959,697):

Pending Application 17/959687	Co-pending Application No. 17/959697
<u>Claim 1, A system comprising: a sending mobile phone that transmits short message service (SMS) messages via a cellular network and packet switched messages via a packet switched message service (PSMS); and at least one server that supports the PSMS, maintains status information and queues messages for later delivery; wherein: the sending mobile phone sends first information representing a phone number of a first receiving mobile phone to the at least one server; the at least one server, in response to receipt of the first information, sends a first response to the sending mobile phone when the phone number of the first receiving mobile phone is not identified as a subscriber of the PSMS; after the first response is received by the sending mobile phone, the sending mobile phone sends an SMS message to the first</u>	<u>Claim 1, A system comprising: a sending mobile phone that transmits short message service (SMS) messages via a cellular network and packet switched messages via a packet switched message service (PSMS); and at least one server that supports the PSMS and maintains status information; wherein: the sending mobile phone extracts first information representing a phone number of a first receiving mobile phone from a message being composed and sends the first information to the at least one server; the at least one server, in response to receipt of the first information, sends a first response to the sending mobile phone when the phone number of the first receiving mobile phone is not associated with a subscriber of the PSMS; after the first response is received by the sending mobile phone, the sending mobile phone sends a first message via</u>

<p><u>receiving mobile phone; the sending mobile phone</u></p> <p><u>sends second information representing a phone</u></p> <p><u>number of a second receiving mobile phone to the</u></p> <p><u>at least one server; the at least one server, in</u></p> <p><u>response to receipt of the second information and</u></p> <p><u>conditioned on the phone number of the second</u></p> <p><u>receiving mobile phone being identified as a</u></p> <p><u>subscriber of the PSMS and the second receiving</u></p> <p><u>mobile phone having an active status with the</u></p> <p><u>PSMS, sends a second response to the sending</u></p> <p><u>mobile phone; after the second response is</u></p> <p><u>received by the sending mobile phone, the</u></p> <p><u>sending mobile phone sends a packet switched</u></p> <p><u>message, via a wireless local area network</u></p> <p><u>(WLAN) and the PSMS, to the second receiving</u></p> <p><u>mobile phone, wherein at the time the packet</u></p> <p><u>switched message is sent, the second receiving</u></p> <p><u>mobile phone is not connected to the at least one</u></p> <p><u>server, wherein the packet switched message is</u></p> <p><u>queued by the at least one server until the second</u></p> <p><u>receiving mobile phone connects to the at least</u></p> <p><u>one server; the PSMS is a service for sending and</u></p> <p><u>receiving packet switched messages other than</u></p> <p><u>SMS, enhanced message service (EMS) and</u></p> <p><u>multimedia message service (MMS) messages;</u></p> <p><u>and content of the SMS message and content of</u></p> <p><u>the packet switched message is displayed by a</u></p> <p><u>same messaging application.</u></p>	<p><u>an SMS bearer to the first receiving mobile phone;</u></p> <p><u>the sending mobile phone extracts second</u></p> <p><u>information representing a phone number of a</u></p> <p><u>second receiving mobile phone from a message</u></p> <p><u>being composed and sends the second</u></p> <p><u>information to the at least one server; the second</u></p> <p><u>receiving mobile phone being associated with a</u></p> <p><u>subscriber of the PSMS; the at least one server, in</u></p> <p><u>response to receipt of the second information,</u></p> <p><u>sends a second response to the sending mobile</u></p> <p><u>phone, the second response communicating a</u></p> <p><u>different query result than the first response; the</u></p> <p><u>sending mobile phone sends a second message</u></p> <p><u>via a wireless local area network (WLAN) and via</u></p> <p><u>the PSMS, to the second receiving mobile phone</u></p> <p><u>on a condition that an undelivered message</u></p> <p><u>threshold corresponding to the second receiving</u></p> <p><u>mobile phone has not been exceeded; the PSMS</u></p> <p><u>is a service for sending and receiving packet</u></p> <p><u>switched messages other than SMS, enhanced</u></p> <p><u>message service (EMS) and multimedia message</u></p> <p><u>service (MMS) messages; and content of the first</u></p> <p><u>message sent via SMS and content of the second</u></p> <p><u>message sent via the packet switched bearer is</u></p> <p><u>displayed by a same messaging application.</u></p> <p>Per claim 2, The system of claim 1, wherein one</p> <p>or more undelivered messages are queued for</p>
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<p>Per claim 2, similar claim language as in claim 1 of pending application.</p> <p>Per claim 3, similar claim language as in claim 1 of pending application.</p> <p>Per claim 4, similar to claim language as in claim 5 of co-pending application (except claim language variations as it relates to “inactive status PSMS” as to “second receiving phone are no longer routed via the PSMS”)</p> <p>Per claim 5, similar to claim language as in claim 1 of pending application (“status information maintained with an undelivered message queue” as to “maintains status information and queues messages for later delivery”).</p> <p>Per claim 6, similar to claim language as in claim 6 of co-pending application (second receiving phone exceeds threshold)</p> <p>Per claim 7 and 8, similar claim language as in claim 1 of pending application.</p> <p>Per claim 9, similar to claim language as in claim 3, 5 and 6 of co-pending application.</p> <p>Per claim 10, similar claim language as in claim 1 of pending application.</p> <p>Per claim 11, similar claim language as in claim 1 of pending application(“MMS” as a “picture message”).</p>	<p><u>later delivery to the first receiving mobile phone at the at least one server.</u></p> <p>Per claim 3, The system of claim 2, wherein the at least one server, in response to receipt of the second information, <u>sends the second response to the sending mobile phone when the phone number of the second receiving mobile phone has</u> an active status.</p>
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<p>Per claim 12, similar claim language as in claim 1 of pending application("MMS" as a "video message").</p> <p>Per claim 14, similar to claim language as in claim 1 of co-pending application (slight claim variation- "first message sent via SMS and content of the second message sent via the packet switched bearer is displayed by a same messaging application" as a " displays indication of a bearer").</p> <p>Per claim 15, similar to claim language as in claim 1 of co-pending application (slight claim variation- "first message sent via SMS and content of the second message sent via the packet switched bearer is displayed by a same messaging application" as a " displays indication of a bearer").</p> <p>Per claim 16, similar to claim language as in claim 1 of co-pending application (different query result).</p> <p>Per claim 17, similar claim language as in claim 1 of pending application.</p> <p>Per claim 20, similar to claim language as in claim 5 of co-pending application ("offline from PSMS" as to "no longer routed via PSMS").</p>	
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Claim Objections

4. Claim20 objected to because of the following informalities: “ The method of claim **176**”, Applicant should change to “the method of claim 17”. Appropriate correction is required.

5. Claim21 provisionally rejected on the ground of nonstatutory double patenting as being unpatentable over claim 1 of copending Application No. 17/959,697 in view of US2007/0299930 Wendelrup et al. (hereinafter Wendelrup).

6. Application No. 17/959,697 discloses the method of claim 17, but fails to disclose wherein the server is located outside of the cellular network.

In an analogous field of endeavor, Wendelrup discloses wherein the server is located outside of the cellular network (paragraph 0066, software which is downloaded remotely from a server either outside or inside the cellular network).

Therefore, it would have been obvious to one of ordinary skill in the art before the effective filing date of the claimed invention to have incorporated the teachings of Wendelrup into copending Application No. 17/959,697 in order to have a better quality of service by a way to continue transferring or streaming a data file even though the connection is lost, see Wendelrup, paragraphs 0005, 0006 and 0066.

This is a provisional nonstatutory double patenting rejection because the patentably indistinct claims have not in fact been patented.

Allowable Subject Matter

6. Claim 18 and 19 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

7. Claims 22-30 are allowed over prior art. It's interpreted, the prior art of record either singularly or in proper combination fails to teach wherein sending a third information representing a phone number and etc.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOSEPH E DEAN, JR whose telephone number is (571)270-7116. The examiner can normally be reached Mon-Fri 7:30-3:30.

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, Srilakshmi Kumar can be reached on 571-272-7769. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of published or unpublished applications may be obtained from Patent Center. Unpublished application information in Patent Center is available to registered users. To file and manage patent submissions in Patent Center, visit: <https://patentcenter.uspto.gov>. Visit <https://www.uspto.gov/patents/apply/patent-center> for more information about Patent Center and <https://www.uspto.gov/patents/docx> for information about filing in DOCX format. For additional questions, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/JOSEPH E DEAN, JR/
Primary Examiner, Art Unit 2647

<i>Notice of References Cited</i>	Application/Control No. 17/959,687		Applicant(s)/Patent Under Reexamination Merrett, Graham	
	Examiner JOSEPH E DEAN, JR		Art Unit 2647	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20070299930-A1	12-2007	Wendelrup; Heino	H04L67/06	709/217
	B					
	C					
	D					
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

<i>Index of Claims</i> 	Application/Control No. 17/959,687	Applicant(s)/Patent Under Reexamination Merrett, Graham
	Examiner JOSEPH E DEAN, JR	Art Unit 2647

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

CLAIMS									
☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47									
CLAIM		DATE							
Final	Original	12/14/2022							
	1	✓							
	2	✓							
	3	✓							
	4	✓							
	5	✓							
	6	✓							
	7	✓							
	8	✓							
	9	✓							
	10	✓							
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	12	✓							
	13	✓							
	14	✓							
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	16	✓							
	17	✓							
	18	O							
	19	O							
	20	✓							
	21	✓							
	22	=							
	23	=							
	24	=							
	25	=							
	26	=							
	27	=							
	28	=							
	29	=							
	30	=							

<i>Search Notes</i> 	Application/Control No. 17/959,687	Applicant(s)/Patent Under Reexamination Merrett, Graham
	Examiner JOSEPH E DEAN, JR	Art Unit 2647

CPC - Searched*		
Symbol	Date	Examiner
H04W4/14 or H04L51/56 or H04L51/58 or H04L69/24 or H04W4/18 or H04W8/183 or H04L51/04 or H04W84/12 or H04W88/06	12/14/2022	J. Dean

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

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

Search Notes		
Search Notes	Date	Examiner
PE2E and Text search	12/14/2022	J. Dean

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

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BIB DATA SHEET

CONFIRMATION NO. 6972

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.		
17/959,687	10/04/2022 RULE	370	2647	RMT-PT001.18		
APPLICANTS REMBRANDT MESSAGING TECHNOLOGIES II, LP., West Conshohocken, PA; INVENTORS Graham Merrett, Woolloongabba, AUSTRALIA; ** CONTINUING DATA ***** This application is a CON of 17/872,378 07/25/2022 PAT 11533587 which is a CON of 17/740,919 05/10/2022 PAT 11445338 which is a CON of 17/717,720 04/11/2022 PAT 11425541 which is a CON of 17/348,348 06/15/2021 PAT 11432115 which is a CON of 17/228,210 04/12/2021 PAT 11218847 which is a CON of 17/131,103 12/22/2020 PAT 11044584 which is a CON of 16/897,161 06/09/2020 PAT 10893395 which is a CON of 16/714,113 12/13/2019 PAT 11089450 which is a CON of 15/966,965 04/30/2018 ABN which is a CON of 15/011,000 01/29/2016 ABN which is a CON of 14/307,166 06/17/2014 ABN which is a CON of 13/762,347 02/07/2013 PAT 8918127 which is a CON of 12/452,883 07/07/2010 PAT 8401576 which is a 371 of PCT/AU2008/001043 07/18/2008 ** FOREIGN APPLICATIONS ***** AUSTRALIA 2007906230 11/13/2007 AUSTRALIA 2007903979 07/24/2007 ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** 10/20/2022						
Foreign Priority claimed ☐ Yes ☒ No 35 USC 119(a-d) conditions met ☐ Yes ☒ No Verified and /JOSEPH E DEAN, JR/ Acknowledged Examiner's Signature		☐ Met after Allowance Initials	STATE OR COUNTRY AUSTRALIA	SHEETS DRAWINGS 7	TOTAL CLAIMS 30	INDEPENDENT CLAIMS 4
ADDRESS VOLPE KOENIG 30 SOUTH 17TH STREET, 18TH FLOOR PHILADELPHIA, PA 19103 UNITED STATES						
TITLE SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE						
FILING FEE	FEES: Authority has been given in Paper			☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time)		

RECEIVED 3300	No. _____ to charge/credit DEPOSIT ACCOUNT	☐ 1.18 Fees (Issue)
	No. _____ for following:	☐ Other _____
		☐ Credit

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	96875	((recei\$4 OR obtain\$3) near4 (packet switched) near3 (message OR text))	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/09 09:04 PM
L2	772559	((format\$4 OR arrang\$4) near4 (message OR text))	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/09 09:09 PM
L3	6094	1 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/09 09:15 PM
L4	22550	1 AND 2	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2022/09/09 09:16 PM

L5	1952	4 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/09 09:16 PM
L6	48	((transmit\$4 OR send\$3 OR forward\$3) near4 (message OR text) near4 (WLAN) near4 (provider))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/09 09:28 PM
L7	40	6 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN,	OR	ON	ON	2022/09/09 09:28 PM

L8	30	7 AND 2	WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/09 09:29 PM
L9	16689	((format\$4 OR arrang\$4) near4 (message OR text) near4 (EMS OR MMS OR SMS))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/09 11:00 PM
L10	3418	((time OR period) near4(between) near4 (first AND second) near4 (message OR text))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/09 11:31 PM
L11	0	((provider) near4 (unaware OR ignorant OR uninform\$2 OR "not aware") near4 (time OR timing) near4 (message OR text))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2022/09/09 11:48 PM

L12	16	((provider) near4 (unaware OR ignorant OR uninform\$2 OR "not aware") near4 (time OR timing))	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/09 11:49 PM
L13	16	((provider) near4 (unaware OR ignorant OR uninform\$2 OR "not aware") near4 (time OR timing OR "phone number"))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 07:23 AM
L14	26	((provider) near4 (unaware OR ignorant OR uninform\$2 OR "not aware") near4 (time OR timing OR "phone number" OR email))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2022/09/10 07:24 AM

L15	0	((("packet switching message") near4 (subscri\$5) near4 (service) near4 (mobile OR "UE" OR "user equipment" OR "subscriber station" OR smartphone OR "PDA"))	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 08:09 AM
L16	0	((("packet switching message") near4 (service) near4 (mobile OR "UE" OR "user equipment" OR "subscriber station" OR smartphone OR "PDA"))	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 08:09 AM
L17	248	((("packet switching ") near4 (message OR text) near4 (mobile OR "UE" OR "user equipment" OR "subscriber station" OR smartphone OR "PDA"))	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 08:10 AM
L18	116	((("packet switching ") near4 (message OR text) near4 (service) near5 (mobile OR "UE" OR "user equipment" OR "subscriber station" OR smartphone OR "PDA"))	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	OR	ON	ON	2022/09/10 08:11 AM

L19	25	18 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 08:11 AM
L20	63	17 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 08:16 AM
L21	3475	((("packet switching ") near4 (message OR text))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 08:21 AM
L22	308	21 AND ((H04W4/14	(US-PGPUB; USPAT;	OR	ON	ON	2022/09/10

		OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				08:21 AM
L23	3709	((("packet switching ") near4 (message OR text OR SMS))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 08:28 AM
L24	47148	((author\$7 OR author\$8) near5 (phone OR mobile) near4 (number))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 08:29 AM
L25	23	23 AND 24	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL,	OR	ON	ON	2022/09/10 08:29 AM

L26	3	25 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 08:31 AM
L27	270	((("packet switching ") near4 (SMS) near4 (message))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 08:32 AM
L28	36	27 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 08:32 AM
L29	3871	24 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY,	OR	ON	ON	2022/09/10 08:57 AM

L30	647	H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.) (("packet switching ") near4 (SMS))	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 08:58 AM
L31	3	30 AND 29	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 08:58 AM
L32	5	"17740919"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH,	OR	ON	ON	2022/09/10 10:43 AM

L33	5	"17717720"	TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 10:45 AM
L34	8	"17348348"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 10:47 AM
L35	19	"11044584"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 11:05 AM
L36	23	"10893395"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2022/09/10 11:11 AM

L37	17	"11218847"	EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 11:12 AM
L38	922	((authent\$7 OR author\$8) near5 (phone OR mobile) near4 (number) near3 (SMS))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 11:49 AM
L39	202	38 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 11:49 AM

L40	16	39 AND 9	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 11:50 AM
L41	4489	((("content provider" OR provider) near4 (locat\$3 OR posit\$3) near4 (data OR inform\$6) near5 (request\$3 OR demand\$3))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 01:23 PM
L42	188	41 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 01:23 PM
L43	57	((("content provider" OR provider) near4 (locat\$3 OR posit\$3) near4 (data OR inform\$6) near5 (request\$3 OR demand\$3) near20 (email OR e-mail))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	OR	ON	ON	2022/09/10 01:24 PM

L44	0	43 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 01:24 PM
L45	2209	"voting button"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 02:06 PM
L46	87	45 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 02:06 PM

L47	39	((identifier) near4 (map) near4 (phone) near5 (number) near4 (device OR mobile OR "UE" OR "user equipment"))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 03:00 PM
L48	5	47 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/10 03:00 PM
L49	97900	((recei\$4 OR obtain\$3) near4 (packet switched) near3 (message OR text))	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/28 11:20 AM
L50	0	((send\$3 OR transmit\$4 OR forward\$3) near4 ("packet switching message" OR "psms") near4 (subscri\$5) near4 (address OR email) near4 (mobile OR "UE" OR "user equipment" OR "subscriber station"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL,	OR	ON	ON	2022/10/28 01:22 PM

L51	2600	OR smartphone OR "PDA")).clm. ((packet) near4 (switch\$3) near4 (message OR text) near4 (service))	NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 07:59 AM
L52	3077	((packet) near4 (switch\$3) near4 (message OR text OR "sms") near4 (service))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 08:00 AM
L53	52403692	((send\$3 OR transmit\$4 OR forward\$3) (mobile OR "UE" OR "user equipment" OR "subscriber station" OR smartphone OR "PDA") near4 (extract\$3 OR collect\$3) near4 (informa\$4 OR data))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 08:05 AM
L54	34954	((send\$3 OR transmit\$4 OR forward\$3) near4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT,	OR	ON	ON	2022/12/15 08:06 AM

L55	36	(mobile OR "UE" OR "user equipment" OR "subscriber station" OR smartphone OR "PDA") near4 (extract\$3 OR collect\$3) near4 (informa\$4 OR data))	AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 08:06 AM
L56	10	52 AND 54	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 08:07 AM
L57	163874	55 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 09:07 AM
		("Mobile instant messaging" OR "MIM")	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE,				

L58	5	((("Mobile instant messaging" OR "MIM") near4 (broken OR interrupt\$5 OR weak\$2 OR temporary OR inconstant OR unsteady) near4 (connection OR internet))	SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 09:13 AM
L59	3	((("Mobile instant messaging" OR "MIM") near4 (broken OR interrupt\$5 OR loss) near4 (connection OR internet))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 09:16 AM
L60	1288	57 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 09:16 AM
L61	11	54 AND 60	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2022/12/15 09:17 AM

L62	203	"5313582"	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 09:35 AM
L63	175	"5729544"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 09:35 AM
L64	146	"6678524"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 09:36 AM

L65	64	"6707472"	WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 09:49 AM
L66	110	"6987985"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 09:50 AM
L67	8	"20020077131"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 09:57 AM
L68	12	"20030040300"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 09:59 AM

L69	10	"20060056309"	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 10:02 AM
L70	12	"20060026237"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 10:04 AM
L71	2	"20060293028"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 10:05 AM

L72	6	"20070055634"	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 10:10 AM
L73	12	"20080004051"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 10:12 AM
L74	3	"20090305729"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 10:16 AM
L75	12	"20100131858"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	OR	ON	ON	2022/12/15 10:19 AM

L76	15	"20120042021"	MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 10:20 AM
L77	4	"17872378"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 11:36 AM
L78	57	("MERRETT GRAHAM").in.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/15 11:42 AM
L79	25	((inactive OR active)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/16

L80	38	near4 (status OR condition) near4 (PSMS))	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	07:58 AM
		((inactive OR active) near4 (status OR condition) near4 ("PSMS" OR "packet switch"))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/16 08:04 AM
L81	11	80 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/16 08:06 AM
L82	25	((inactive OR active) near4 (status OR condition) near4 ("PSMS" OR "packet switch message service"))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL,	OR	ON	ON	2022/12/16 08:09 AM

L83	300	((server) near4 (outside) near4 ("cellular network"))	PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/16 10:17 AM
L84	27	83 AND ((H04W4/14 OR H04L51/56 OR H04L51/58 OR H04L69/24 OR H04W4/18 OR H04W8/183 OR H04L51/04 OR H04W84/12 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/16 10:18 AM

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N1	28908	((recei\$4 OR obtain\$3) near4 (packet switched) near3 (message OR text))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 11:29 AM
N2	0	((message OR text) near5(format\$4 OR arrang\$4) near4 ("not" OR no OR never) near6 (EMS OR MMS OR SMS))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 11:45 AM
N3	10093	((message OR text) near5(format\$4 OR arrang\$4) near6 (EMS	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 11:46 AM

N4	2	OR MMS OR SMS)) ((message OR text) near5(format\$4 OR arrang\$4) near4 ("not" OR no OR never OR unawar\$2 OR unknown) near6 (EMS OR MMS OR SMS))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 11:46 AM
N5	18	((transmit\$4 OR send\$3 OR forward\$3) near4 (message OR text) near4 (WLAN) near4 (provider))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 12:17 PM
N6	0	((send\$3 OR transmit\$4 OR forward\$3) near4 ("packet switching message" OR "psms") near4 (subscri\$5) near4 (address OR email) near4 (mobile OR "UE" OR "user equipment" OR "subscriber station" OR smartphone OR "PDA")).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 01:22 PM
N7	0	(("packet switching message" OR "psms") near4 (subscri\$5) near4 (address OR email) near4 (mobile OR "UE" OR "user equipment" OR "subscriber station" OR smartphone OR "PDA")).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 01:23 PM
N8	0	(("packet switching message" OR "psms") near4 (subscri\$5) near4 (address OR email) near4 (mobile OR "UE" OR "user equipment" OR "subscriber station" OR smartphone OR "PDA"))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 01:23 PM
N9	17	((recei\$4 OR obtain\$3) near4 ("packet switched" OR "packet switching" OR "PSMS") near4 (address OR email) near7 (mobile OR "UE" OR "user equipment" OR "SS" OR "subscriber station" OR "PDA" OR smartphone))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 01:33 PM

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		17/959,687
	Filing Date		2022-10-04
	First Named Inventor		Merrett
	Art Unit		Not Yet Known 2647
	Examiner Name		Not Yet Known J. Dean
	Attorney Docket Number		RMT-PT001.18

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	*	5,313,582	05/1994	Hendel et al.			
		5,729,544	03/1998	Lev et al.			
	*	6,078,733	06/2000	Osborne			
		6,678,524	01/2004	Hansson et al.			
		6,707,472	03/2004	Grauman et al.			
		6,987,985	01/2006	Purkayastha et al.			
		7,085,812	08/2006	Sherwood			
		7,171,190	01/2007	Ye et al.			
		7,277,724	10/2007	Jones et al.			
		7,298,714	11/2007	Foster			
		7,546,117	06/2009	Lewis et al.			
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		2008/0004051	01/2008	Sylvain			
		2009/0275348	11/2009	Weinreich et al.			

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	17/959,687
	Filing Date	2022-10-04
	First Named Inventor	Merrett
	Art Unit	Not Yet Known 2647
	Examiner Name	Not Yet Known J. Dean
	Attorney Docket Number	RMT-PT001.18

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2009/0305729	12/2009	Bennett			
	2010/0131858	05/2010	Schultz et al.			
	2012/0042021	02/2012	Shah et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	2003-088154	11/2003	KR				
	2006-0077401	07/2006	KR				
	2001/41477	06/2001	WO				
	2004/008336	01/2004	WO				
	2004/052033	06/2004	WO				
	2004/056137	07/2004	WO				
	2004/061583	07/2004	WO				
	2005/018257	02/2005	WO				
	2006/006753	01/2006	WO				
	2006/014603	02/2006	WO				

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EXAMINER INITIAL	DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)
	ANGERER, "IP-Enabled Communication – The Future of Voice," (2005).
	AOL MOBILE SERVICES, "Full Service Mobile IM Using Text Messaging; Mobile Instant Messaging for the AOL Buddy List® Feature and AOL Instant Messenger™ Service," (2003).
	APPLE RETAIL GERMANY GMBH V. REMBRANDT MESSAGING TECHNOLOGIES, LP, "Defendant's Response to the Federal Patent Court – In the Nullity action of Apple Retail Germany GmbH versus Rembrandt Messaging Technologies, LP concerning European patent EP 2 177 072 (60 2008 022 036)", Docket number (FPC): 5 Ni 22/16 (EP), Federal Patent Court, Munich Germany (October 25, 2016).
	APPLE RETAIL GERMANY GMBH V. REMBRANDT MESSAGING TECHNOLOGIES, LP, "Summons for a hearing – In the proceedings concerning the patent EP 2 177 072", Docket number (FPC): 5 Ni 22/16 (EP), Federal Patent Court, Munich Germany (September 14, 2017).

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	17/959,687
	Filing Date	2022-10-04
	First Named Inventor	Merrett
	Art Unit	Not Yet Known 2647
	Examiner Name	Not Yet Known J. Dean
	Attorney Docket Number	RMT-PT001.18

EXAMINER INITIAL		DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)
		APPLE RETAIL GERMANY GMBH V. REMBRANDT MESSAGING TECHNOLOGIES, LP, "Reply to Grounds of Objection of the Assignee", Docket number (FPC): 5 Ni 22/16 (EP), European Patent: EP 2 177 072, Federal Patent Court, Munich Germany (July 27, 2017).
		APPLE RETAIL GERMANY GMBH V. REMBRANDT MESSAGING TECHNOLOGIES, LP, "Response to the Preliminary Opinion of the Federal Patent Court", Docket number (FPC): 5 Ni 22/16 (EP), In the proceedings concerning the patent EP 2 177 072, Federal Patent Court, Munich Germany (November 13, 2017).
		EUROPEAN TELECOMMUNICATION STANDARDS INSTITUTE, "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); General Packet Radio Service (GPRS); Service description; Stage 2 (3GPP TS 23.060 version 3.6.0 Release 1999).
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	*	LABVIEW, Programmatic Creation of Shared Variables, Discussion Forum located at: https://forums.ni.com/t5/LabVIEW/Programmatic-creation-of-shared-variables/td-p/404281 (August 15, 2006) (last visited September 20, 2022).
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		Screenshots from Focus-Online Magazine referring to the 10 Best Mobile Phones (June 21, 2007).
		TECH-RECIPES.COM, "Send SMS Text Messages From AIM," (June 18, 2007) available at https://web.archive.org/web/20070618171355/http://www.tech-recipes.com/instant_messaging_tips116.html (last visited October 16, 2020).

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.E.D/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	17/959,687
	Filing Date	2022-10-04
	First Named Inventor	Merrett
	Art Unit	Not Yet Known 2647
	Examiner Name	Not Yet Known J. Dean
	Attorney Docket Number	RMT-PT001.18

EXAMINER INITIAL	DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)
	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Services and System Aspects; Support of SMS and MMS over generic 3GPP IP access (Release 7)," 3GPP TR 23.804 V7.1.0 (September 2005).
	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Services and System Aspects; Multimedia Messaging Service (MMS); Stage 1 (Release 7)," 3GPP TS 22.140 V7.0.0 (June 2007).
	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Services and System Aspects; Services Aspects; Stage 1 Multimedia Messaging Service (3G TS 22.140 version 0.1.0)," 3GPP TS 22.140 V0.1.0 (July 1999).
	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Services and System Aspects; General Packet Radio Service (GPRS); Service description; Stage 2 (Release 7)," 3GPP TS 23.060 V7.4.0 (March 2007).
	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Services and System Aspects; General Packet Radio Service (GPRS); Service description; Stage 2 (Release 7)," 3GPP TS 23.060 V7.7.0 (June 2008).
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	WIKIPEDIA, "Home Location Register (HLR)," subsection of article on Network Switching Subsystem, (July 19, 2007).
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/JOSEPH E DEAN, JR/

12/16/2022

Page 4 of 4

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/959,687	10/04/2022	Graham Merrett	RMT-PT001.18	6972
3624	7590	11/25/2022	EXAMINER	
VOLPE KOENIG			CENTRAL, DOCKET	
30 SOUTH 17TH STREET, 18TH FLOOR				
PHILADELPHIA, PA 19103				
			ART UNIT	PAPER NUMBER
			2647	
			NOTIFICATION DATE	DELIVERY MODE
			11/25/2022	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

eoffice@vklaw.com

<i>Decision Granting Request for Prioritized Examination (Track I)</i>	Application No. 17/959,687	Applicant(s) Merrett, Graham	
	Examiner FIKIRTE A GEREMEW	Art Unit OMBL	AIA (FITF) Status No
<p>1. THE REQUEST FILED <u>04 October 2022</u> IS GRANTED .</p> <p>The above-identified application has met the requirements for prioritized examination</p> <p>A. ☒ for an original nonprovisional application (Track I).</p> <p>B. ☐ for an application undergoing continued examination (RCE).</p> <p>2. The above-identified application will undergo prioritized examination. The application will be accorded special status throughout its entire course of prosecution until one of the following occurs:</p> <p>A. filing a <u>petition for extension of time</u> to extend the time period for filing a reply;</p> <p>B. filing an <u>amendment to amend the application to contain more than four independent claims, more than thirty total claims</u>, or a multiple dependent claim;</p> <p>C. filing a <u>request for continued examination</u> ;</p> <p>D. filing a notice of appeal;</p> <p>E. filing a request for suspension of action;</p> <p>F. mailing of a notice of allowance;</p> <p>G. mailing of a final Office action;</p> <p>H. completion of examination as defined in 37 CFR 41.102; or</p> <p>I. abandonment of the application.</p> <p>Telephone inquiries with regard to this decision should be directed to FIKIRTE GEREMEW at (703) 756-1930. In his/her absence, calls may be directed to Petition Help Desk at (571) 272-3282.</p>			
/FIKIRTE A GEREMEW/ PROGRAM SUPPORT ASSISTANT, OMBL			



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
17/959,687	10/04/2022	Graham Merrett	RMT-PT001.18

CONFIRMATION NO. 6972

NEW OR REVISED PPD NOTICE

3624

VOLPE KOENIG

30 SOUTH 17TH STREET, 18TH FLOOR

PHILADELPHIA, PA 19103



NOTICE OF NEW OR REVISED PROJECTED PUBLICATION DATE

The above-identified application has a new or revised projected publication date. The current projected publication date for this application is 01/26/2023. If this is a new projected publication date (there was no previous projected publication date), the application has been cleared by Licensing & Review or a secrecy order has been rescinded and the application is now in the publication queue.

If this is a revised projected publication date (one that is different from a previously communicated projected publication date), the publication date has been revised due to processing delays in the USPTO or the abandonment and subsequent revival of an application. The application is anticipated to be published on a date that is more than six weeks different from the originally-projected publication date.

More detailed publication information is available through the private side of Patent Application Information Retrieval (PAIR) System. The direct link to access PAIR is currently <http://pair.uspto.gov>. Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

Questions relating to this Notice should be directed to the Office of Data Management, Application Assistance Unit at (571) 272-4000, or (571) 272-4200, or 1-888-786-0101.

PART 1 - ATTORNEY/APPLICANT COPY

page 1 of 1

PATENT APPLICATION FEE DETERMINATION RECORD						Application or Docket Number 17/959,687					
Substitute for Form PTO-875											
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			N/A	320		
SEARCH FEE (37 CFR 1.16(k), (l), or (m))		N/A		N/A	N/A			N/A	700		
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))		N/A		N/A	N/A			N/A	800		
TOTAL CLAIMS (37 CFR 1.16(i))		30	minus 20 =	*				x 100 =	1000		
INDEPENDENT CLAIMS (37 CFR 1.16(h))		4	minus 3 =	*				x 480 =	480		
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		
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))									0		
					TOTAL			TOTAL	2300		
* If the difference in column 1 is less than zero, enter "0" in column 2.											
APPLICATION AS AMENDED - PART II											
		(Column 1)	(Column 2)		(Column 3)		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	=		x	=	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x	=		x	=	
	Application Size Fee (37 CFR 1.16(s))										
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))										
					TOTAL ADD'L FEE			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	=		x	=	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x	=		x	=	
	Application Size Fee (37 CFR 1.16(s))										
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))										
					TOTAL ADD'L FEE			TOTAL ADD'L FEE			
<div style="font-size: x-small;"> * 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. </div>											



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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO.	TOT CLAIMS	IND CLAIMS
17/959,687	10/04/2022		3300	RMT-PT001.18	30	4

CONFIRMATION NO. 6972

3624

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PHILADELPHIA, PA 19103

FILING RECEIPT



0000000049901562

Date Mailed: 10/20/2022

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)

Graham Merrett, Woolloongabba, AUSTRALIA;

Applicant(s)

REMBRANDT MESSAGING TECHNOLOGIES II, LP., West Conshohocken, PA;

Assignment For Published Patent Application

REMBRANDT MESSAGING TECHNOLOGIES II, LP., West Conshohocken, PA

Power of Attorney: The patent practitioners associated with Customer Number 03624

Domestic Priority data as claimed by applicant

This application is a CON of 17/872,378 07/25/2022
which is a CON of 17/740,919 05/10/2022 PAT 11,445,338
which is a CON of 17/717,720 04/11/2022 PAT 11,425,541
which is a CON of 17/348,348 06/15/2021 PAT 11,432,115
which is a CON of 17/228,210 04/12/2021 PAT 11,218,847
which is a CON of 17/131,103 12/22/2020 PAT 11,044,584
which is a CON of 16/897,161 06/09/2020 PAT 10,893,395
which is a CON of 16/714,113 12/13/2019 PAT 11,089,450
which is a CON of 15/966,965 04/30/2018 ABN
which is a CON of 15/011,000 01/29/2016 ABN
which is a CON of 14/307,166 06/17/2014 ABN
which is a CON of 13/762,347 02/07/2013 PAT 8,918,127
which is a CON of 12/452,883 07/07/2010 PAT 8,401,576
which is a 371 of PCT/AU2008/001043 07/18/2008

Foreign Applications (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.)
AUSTRALIA 2007906230 11/13/2007 No Access Code Provided
AUSTRALIA 2007903979 07/24/2007 No Access Code Provided

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: 10/19/2022

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 17/959,687**

Projected Publication Date: 01/26/2023

Non-Publication Request: No

Early Publication Request: No

Title

SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH
A PACKET SWITCHED MESSAGE SERVICE

Preliminary Class

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

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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>.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	17/959,687
	Filing Date	2022-10-04
	First Named Inventor	Merrett
	Art Unit	Not Yet Known
	Examiner Name	Not Yet Known
	Attorney Docket Number	RMT-PT001.18

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	*	5,313,582	05/1994	Hendel et al.			
		5,729,544	03/1998	Lev et al.			
	*	6,078,733	06/2000	Osborne			
		6,678,524	01/2004	Hansson et al.			
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		7,277,724	10/2007	Jones et al.			
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		2008/0004051	01/2008	Sylvain			
		2009/0275348	11/2009	Weinreich et al.			

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	Filing Date	2022-10-04
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	Attorney Docket Number	RMT-PT001.18

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		2009/0305729	12/2009	Bennett			
		2010/0131858	05/2010	Schultz et al.			
		2012/0042021	02/2012	Shah et al.			

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		2003-088154	11/2003	KR				
		2006-0077401	07/2006	KR				
		2001/41477	06/2001	WO				
		2004/008336	01/2004	WO				
		2004/052033	06/2004	WO				
		2004/056137	07/2004	WO				
		2004/061583	07/2004	WO				
		2005/018257	02/2005	WO				
		2006/006753	01/2006	WO				
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		ANGERER, "IP-Enabled Communication – The Future of Voice," (2005).
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		APPLE RETAIL GERMANY GMBH V. REMBRANDT MESSAGING TECHNOLOGIES, LP, "Defendant's Response to the Federal Patent Court – In the Nullity action of Apple Retail Germany GmbH versus Rembrandt Messaging Technologies, LP concerning European patent EP 2 177 072 (60 2008 022 036)", Docket number (FPC): 5 Ni 22/16 (EP), Federal Patent Court, Munich Germany (October 25, 2016).
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EXAMINER INITIAL		DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)
		APPLE RETAIL GERMANY GMBH V. REMBRANDT MESSAGING TECHNOLOGIES, LP, "Reply to Grounds of Objection of the Assignee", Docket number (FPC): 5 Ni 22/16 (EP), European Patent: EP 2 177 072, Federal Patent Court, Munich Germany (July 27, 2017).
		APPLE RETAIL GERMANY GMBH V. REMBRANDT MESSAGING TECHNOLOGIES, LP, "Response to the Preliminary Opinion of the Federal Patent Court", Docket number (FPC): 5 Ni 22/16 (EP), In the proceedings concerning the patent EP 2 177 072, Federal Patent Court, Munich Germany (November 13, 2017).
		EUROPEAN TELECOMMUNICATION STANDARDS INSTITUTE, "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); General Packet Radio Service (GPRS); Service description; Stage 2 (3GPP TS 23.060 version 3.6.0 Release 1999).
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		HUSTON, "Lord of the Numbers," The ISP Column, Internet Society (July 2003).
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		LEI ET AL., "Context-Aware Unified Communication", Proceedings of the 2004 IEEE International Conference on Mobile Data Management, pgs. 1-11 (2004).
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		SCHILLER, Mobile Communications, Addison-Wesley Publishers, ISBN 9780321123817 (1999).
		Screenshots from Focus-Online Magazine referring to the 10 Best Mobile Phones (June 21, 2007).
		TECH-RECIPES.COM, "Send SMS Text Messages From AIM," (June 18, 2007) available at https://web.archive.org/web/20070618171355/http://www.tech-recipes.com/instant_messaging_tips116.html (last visited October 16, 2020).

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	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Services and System Aspects; Support of SMS and MMS over generic 3GPP IP access (Release 7)," 3GPP TR 23.804 V7.1.0 (September 2005).
	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Services and System Aspects; Multimedia Messaging Service (MMS); Stage 1 (Release 7)," 3GPP TS 22.140 V7.0.0 (June 2007).
	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Services and System Aspects; Services Aspects; Stage 1 Multimedia Messaging Service (3G TS 22.140 version 0.1.0)," 3GPP TS 22.140 V0.1.0 (July 1999).
	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Services and System Aspects; General Packet Radio Service (GPRS); Service description; Stage 2 (Release 7)," 3GPP TS 23.060 V7.4.0 (March 2007).
	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Services and System Aspects; General Packet Radio Service (GPRS); Service description; Stage 2 (Release 7)," 3GPP TS 23.060 V7.7.0 (June 2008).
	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Services and System Aspects; General Packet Radio Service (GPRS); Service description; Stage 2 (Release 8)," 3GPP TS 23.060 V8.1.0 (June 2008).
	VERIZON WIRELESS, "How to Use Guide: Mobile IM," (2005).
	WIKIPEDIA, "General Packet Radio Service," (July 23, 2007).
	WIKIPEDIA, "Home Location Register (HLR)," subsection of article on Network Switching Subsystem, (July 19, 2007).
	WIKIPEDIA, "Instant Messaging," (July 6, 2007).
	WIKIPEDIA, "Presence Information," (June 6, 2007).
	WIKIPEDIA, "Sony Ericsson T68i," (June 25, 2007).
	WIKIPEDIA, "Telephone number mapping," (June 27, 2007).
	WIKIPEDIA, "Wi-Fi," (July 23, 2007).

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT APPLICATION** of:

Merrett

Application No.: 17/959,687

Confirmation No.: 6972

Filed: October 4, 2022

For: SERVER THAT SENDS A RESPONSE
WHEN A MOBILE PHONE HAS AN ACTIVE
STATUS WITH A PACKET SWITCHED
MESSAGE SERVICE

Group: Not Yet Known

Examiner: Not Yet Known

Our File: RMT-PT001.18

Date: October 10, 2022

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment (via EFS)
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Commissioner:

Further to the Applicant's Duty of Disclosure pursuant to 37 C.F.R. §1.56, the Applicant wishes to bring to the Examiner's attention the material cited on the enclosed Information Disclosure Statement Form.

This Application is a continuation of U.S. Patent Application No. 17/872,378, filed July 25, 2022, which is a continuation of U.S. Patent Application No. 17/740,919, filed May 10, 2022, which issued September 13, 2022 as U.S. Patent No. 11,445,338,

Applicant: Rembrandt Messaging Technologies II, LP.
Application No.: 17/959,687

which is a continuation of U.S. Patent Application No. 17/717,720, which was filed April 11, 2022, which is a continuation of U.S. Patent Application No. 17/348,348, which was filed June 15, 2021, which is a continuation of U.S. Patent Application No. 17/228,210, filed April 12, 2021, which is a continuation of U.S. Patent Application No. 17/131,103, filed December 22, 2020, which issued June 22, 2021 as U.S. Patent No. 11,044,584, which is a continuation of U.S. Patent Application No. 16/897,161, filed June 9, 2020, which issued January 12, 2021 as U.S. Patent No. 10,893,395, which is a continuation of U.S. Patent Application No. 16/714,113, filed December 13, 2019, which is a continuation of U.S. Patent Application No. 15/966,965, filed April 30, 2018, which is a continuation of U.S. Patent Application No. 15/011,000, filed January 29, 2016, which is a continuation of U.S. Patent Application No. 14/307,166, filed June 17, 2014, which is a continuation of U.S. Patent Application No. 13/762,347, filed February 7, 2013, which issued December 23, 2014 as U.S. Patent No. 8,918,127, which is a continuation of U.S. Patent Application No. 12/452,883, filed July 7, 2010, which issued March 19, 2013 as U.S. Patent No. 8,401,576, which is the U.S. National Stage, under 35 U.S.C. §371, of International Application No. PCT/AU2008/001043, filed July 18, 2008, which claims the benefit of Australian Patent Application No. 2007906230, filed November 13, 2007 and Australian Patent Application No. 2007903979, filed July 24, 2007. U.S. Patent Application No. 17/959,697 is also a continuation of U.S. Patent Application No. 17/872,378.

Applicant: Rembrandt Messaging Technologies II, LP.
Application No.: 17/959,687

The Applicant would like to bring the following Applications to the Examiner's attention: U.S. Patent Application No. 16/924,801, filed July 9, 2020, which issued February 16, 2021 as U.S. Patent No. 10,924,896; and U.S. Patent Application No. 17/114,645, filed December 8, 2020, which issued May 18, 2021 as U.S. Patent No. 11,012,827.

Pursuant to 37 C.F.R. §1.98(d) copies of documents cited in the parent application are not enclosed, but copies will be provided upon request. Documents that were not cited in the parent application are indicated by an asterisk (*) on the enclosed Information Disclosure Statement Form. Copies of the cited references are enclosed. Pursuant to 37 C.F.R. §1.98(a)(2)(ii), copies of the cited U.S. publications and/or patent documents have not been included.

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the Information Disclosure Statement Form indicating consideration of the cited materials.

Respectfully submitted,

Rembrandt Messaging
Technologies II, LP.

By /Brian P. Gordaychik / _____
Brian P. Gordaychik
Registration No. 62,179
(215) 568-6400

Volpe Koenig
30 South 17th Street
Suite 1800

7586911.1

Applicant: Rembrandt Messaging Technologies II, LP.
Application No.: 17/959,687

Philadelphia, PA 19103

BPG/PCK
Enclosures

7586911.1

Electronic Acknowledgement Receipt	
EFS ID:	46781501
Application Number:	17959687
International Application Number:	
Confirmation Number:	6972
Title of Invention:	SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE
First Named Inventor/Applicant Name:	Graham Merrett
Customer Number:	3624
Filer:	Brian Paul Gordaychik/PATRICIA CHEYNEY
Filer Authorized By:	Brian Paul Gordaychik
Attorney Docket Number:	RMT-PT001.18
Receipt Date:	10-OCT-2022
Filing Date:	
Time Stamp:	12:50:40
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	Information Disclosure Statement (IDS) Form (SB08)	RMT-PT001_18-MasterList-EFS.pdf	157070 a89e0d079d8df2937d0867bds0f2f7daa6ccd01c	no	4

Warnings:

Information:					
This is not an USPTO supplied IDS fillable form					
2	Non Patent Literature	HILDEBRAND_XEP-0025_Jabbe r_HTTP_Polling.pdf	222568	no	9
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Warnings:					
Information:					
3	Non Patent Literature	JENNINGS_A_study_of_Interne t_instant_messaging.pdf	843714	no	7
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Information:					
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6	Transmittal Letter	RMT-PT001_18-IDStransmittal- EFS.pdf	95765	no	4
			71fc3a2f5accec1240d9407cc5345cd7e72e44c		
Warnings:					
Information:					
Total Files Size (in bytes):			8260090		

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.

TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA/82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	Not Yet Known
Filing Date	October 4, 2022
First Named Inventor	Graham Merrett
Title	SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE
Art Unit	Not Yet Known
Examiner Name	Not Yet Known
Attorney Docket Number	RMT-PT001.18

SIGNATURE of Applicant or Patent Practitioner

Signature	/Brian P. Gordaychik/	Date (Optional)	October 4, 2022
Name	Brian P. Gordaychik	Registration Number	62,179
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)	REMBRANDT MESSAGING TECHNOLOGIES II, LP.		

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

☐

*Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

Doc Code: PA..

Document Description: Power of Attorney

PTO/AIA/82B (07-13)

Approved for use through 03/31/2021. OMB 0651-0035

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

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

POWER OF ATTORNEY BY APPLICANT

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

Application Number	Filing Date

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

☒ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above:

03624

OR

☐ I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:

☒ The address associated with the above-mentioned Customer Number

OR

☐ The address associated with Customer Number:

OR

☐ Firm or Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

REMBRANDT MESSAGING TECHNOLOGIES II, LP.

- ☐ Inventor or Joint Inventor (title not required below)
- ☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)
- ☒ Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)
- ☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature

Date (Optional)

9/15/2020

Name

Daniel H. Golub, Secretary

Title

REMBRANDT MESSAGING TECHNOLOGIES II, LP, by its General Partner, REMBRANDT VIRGINIA MANAGEMENT, LLC

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

☐ Total of forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

**CERTIFICATION AND REQUEST FOR PRIORITIZED EXAMINATION
UNDER 37 CFR 1.102(e) (Page 1 of 1)**

First Named Inventor:	Graham Merrett	Nonprovisional Application Number (if known):	
Title of Invention:	SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE		

APPLICANT HEREBY CERTIFIES THE FOLLOWING AND REQUESTS PRIORITIZED EXAMINATION FOR THE ABOVE-IDENTIFIED APPLICATION.

1. The processing fee set forth in 37 CFR 1.17(i), the prioritized examination fee set forth in 37 CFR 1.17(c), and if not already paid, the publication fee set forth in 37 CFR 1.18(d) have been filed with the request. The basic filing fee, search fee, examination fee, and any required excess claims and application size fees are filed with the request or have been already been paid.
2. The application contains or is amended to contain no more than four independent claims and no more than thirty total claims, and no multiple dependent claims.
3. The applicable box is checked below:

I. ☒ Original Application (Track One) - Prioritized Examination under § 1.102(e)(1)

- i. (a) The application is an original nonprovisional utility application filed under 35 U.S.C. 111(a). This certification and request is being filed with the utility application via EFS-Web.
---OR---
(b) The application is an original nonprovisional plant application filed under 35 U.S.C. 111(a). This certification and request is being filed with the plant application in paper.
- ii. An executed oath or declaration under 37 CFR 1.63 is filed with the application.

II. ☐ Request for Continued Examination - Prioritized Examination under § 1.102(e)(2)

- i. A request for continued examination has been filed with, or prior to, this form.
- ii. If the application is a utility application, this certification and request is being filed via EFS-Web.
- iii. The application is an original nonprovisional utility application filed under 35 U.S.C. 111(a), or is a national stage entry under 35 U.S.C. 371.
- iv. This certification and request is being filed prior to the mailing of a first Office action responsive to the request for continued examination.
- v. No prior request for continued examination has been granted prioritized examination status under 37 CFR 1.102(e)(2).

Signature /Brian P. Gordaychik/	Date October 4, 2022
Name (Print/Typed) Brian P. Gordaychik	Practitioner Registration Number 62,179
Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required in accordance with 37 CFR 1.33 and 11.18. Please see 37 CFR 1.4(d) for the form of the signature. If necessary, submit multiple forms for more than one signature, see below*.	
☐ *Total of _____ forms are submitted.	

Privacy Act Statement

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

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

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

Electronic Patent Application Fee Transmittal				
Application Number:				
Filing Date:				
Title of Invention:		SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE		
First Named Inventor/Applicant Name:		Graham Merrett		
Filer:		Brian Paul Gordaychik/Shaylynn McNally		
Attorney Docket Number:		RMT-PT001.18		
Filed as Large Entity				
Filing Fees for Track I Prioritized Examination - Nonprovisional Application under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
UTILITY APPLICATION FILING	1011	1	320	320
UTILITY SEARCH FEE	1111	1	700	700
UTILITY EXAMINATION FEE	1311	1	800	800
REQUEST FOR PRIORITIZED EXAMINATION	1817	1	4200	4200
Pages:				
Claims:				
CLAIMS IN EXCESS OF 20	1202	10	100	1000
INDEPENDENT CLAIMS IN EXCESS OF 3	1201	1	480	480

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous-Filing:				
PUBL. FEE- EARLY, VOLUNTARY, OR NORMAL	1504	1	0	0
PROCESSING FEE, EXCEPT PROV. APPLS.	1830	1	140	140
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				7640

Electronic Acknowledgement Receipt	
EFS ID:	46741942
Application Number:	17959687
International Application Number:	
Confirmation Number:	6972
Title of Invention:	SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE
First Named Inventor/Applicant Name:	Graham Merrett
Customer Number:	3624
Filer:	Brian Paul Gordaychik/Shaylynn McNally
Filer Authorized By:	Brian Paul Gordaychik
Attorney Docket Number:	RMT-PT001.18
Receipt Date:	04-OCT-2022
Filing Date:	
Time Stamp:	15:27:53
Application Type:	Utility under 35 USC 111(a)

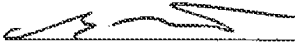
Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$7640
RAM confirmation Number	E202204F28353204
Deposit Account	220493
Authorized User	Shaylynn McNally
<p>The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:</p> <p>37 CFR 1.21 (Miscellaneous fees and charges)</p> <p>37 CFR 1.20 (Post Issuance fees)</p>	

37 CFR 1.19 (Document supply fees)					
37 CFR 1.17 (Patent application and reexamination processing fees)					
37 CFR 1.16 (National application filing, search, and examination fees)					
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Oath or Declaration filed	RMT-PT001_18_Declaration_EFS.pdf	305180	no	2
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Information:					
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Information:					
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	Multipart Description/PDF files in .zip description				
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	Specification		1	22	
	Claims		23	30	
	Abstract		31	31	
Warnings:					
Information:					
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Warnings:					
Information:					
5	Power of Attorney	RMT-PT001-18-POA-EFS.pdf	368991	no	2
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Warnings:					
Information:					
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Information:					
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Warnings:					
Information:					
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Warnings:					
Information:					
Total Files Size (in bytes):			4240386		
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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
 APPLICATION DATA SHEET (37 CFR 1.76)**

Title of Invention	MESSAGING SERVICES IN A WIRELESS COMMUNICATIONS NETWORK
<p>As the below named inventor, I hereby declare that:</p> <p>This declaration is directed to: ☐ The attached application, or</p> <p>☒ United States application or PCT international application number <u>14/307,166</u></p> <p>filed on <u>June 17, 2014</u></p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.</p> <p style="text-align: center;">WARNING:</p> <p>Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.</p>	
<p>LEGAL NAME OF INVENTOR</p> <p>Inventor: <u>Graham Merrett</u> Date (Optional): _____</p> <p>Signature: </p>	
<p>Notes: 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.</p>	

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

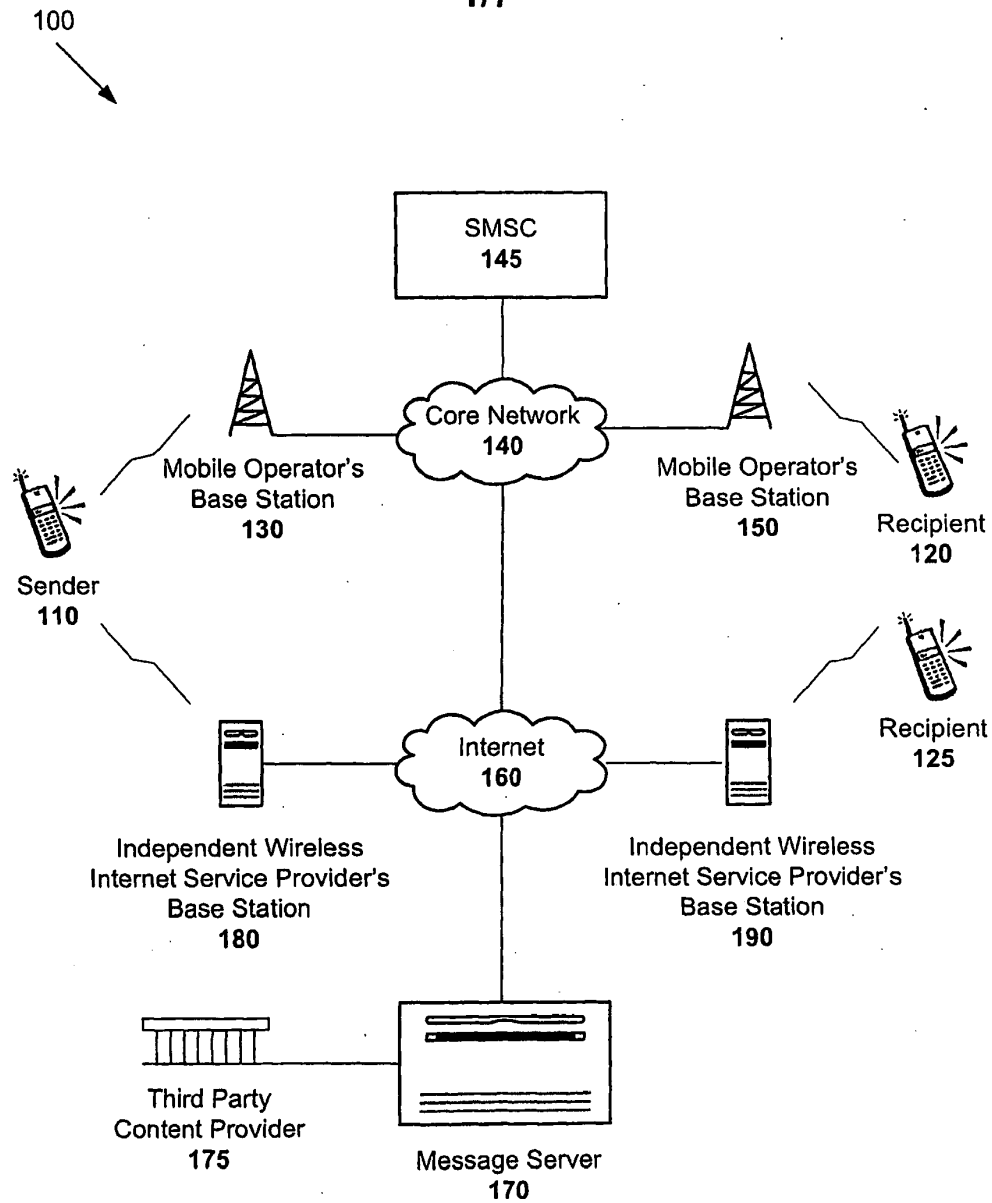


FIG. 1

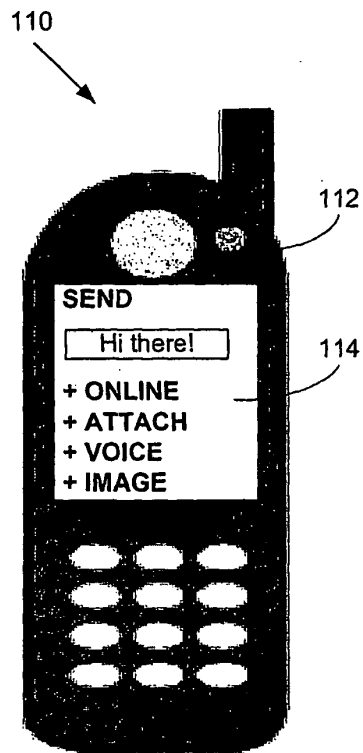


FIG. 2A

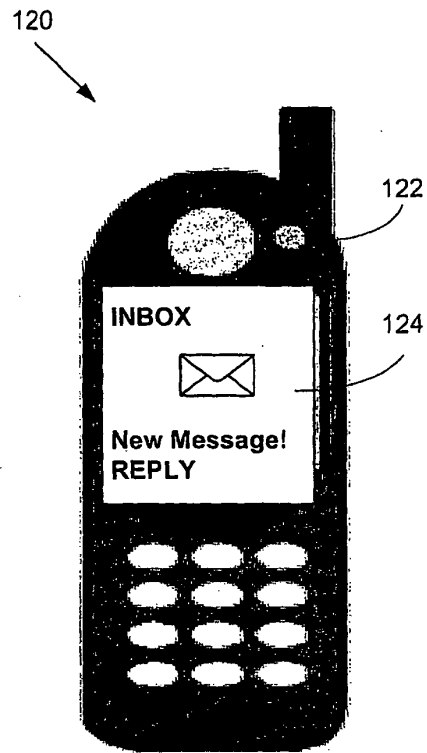


FIG. 2B

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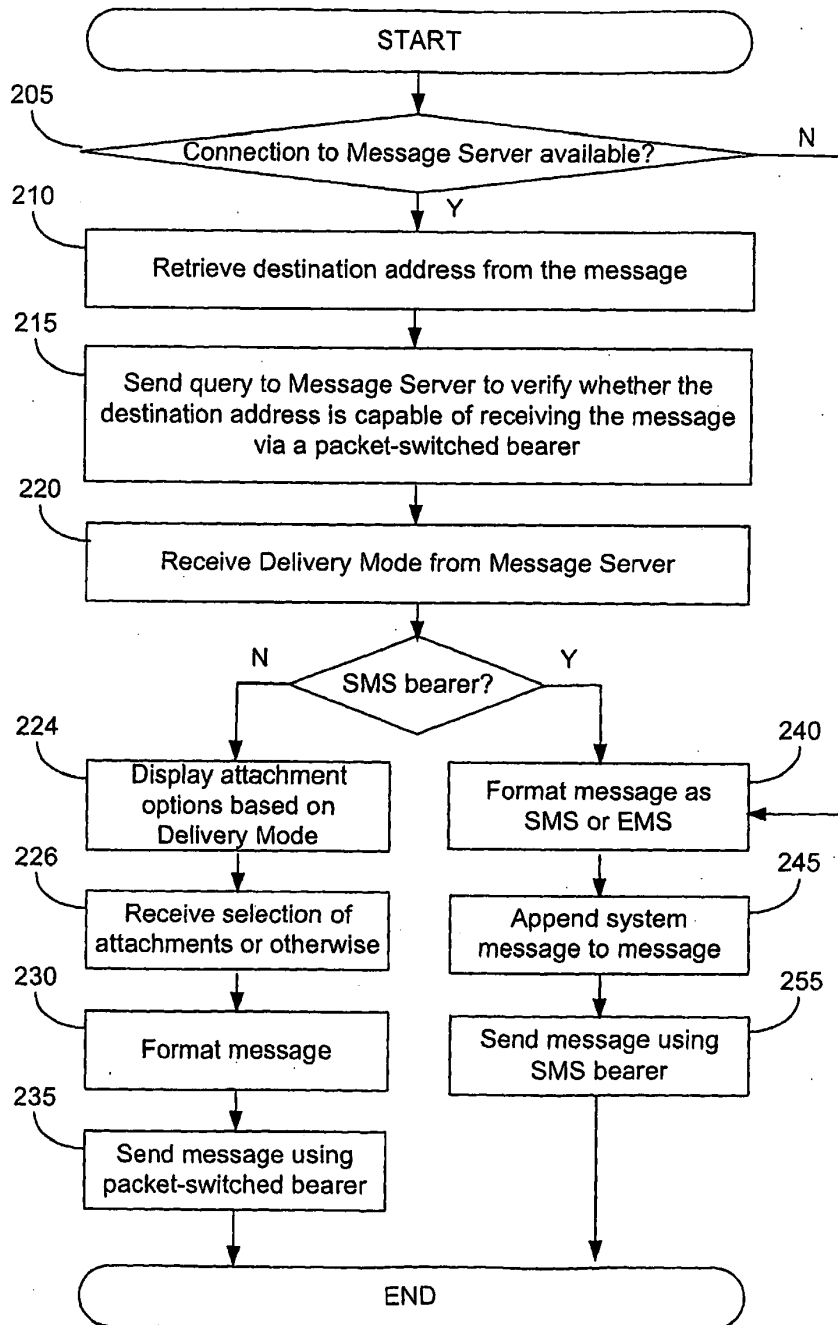


FIG. 3

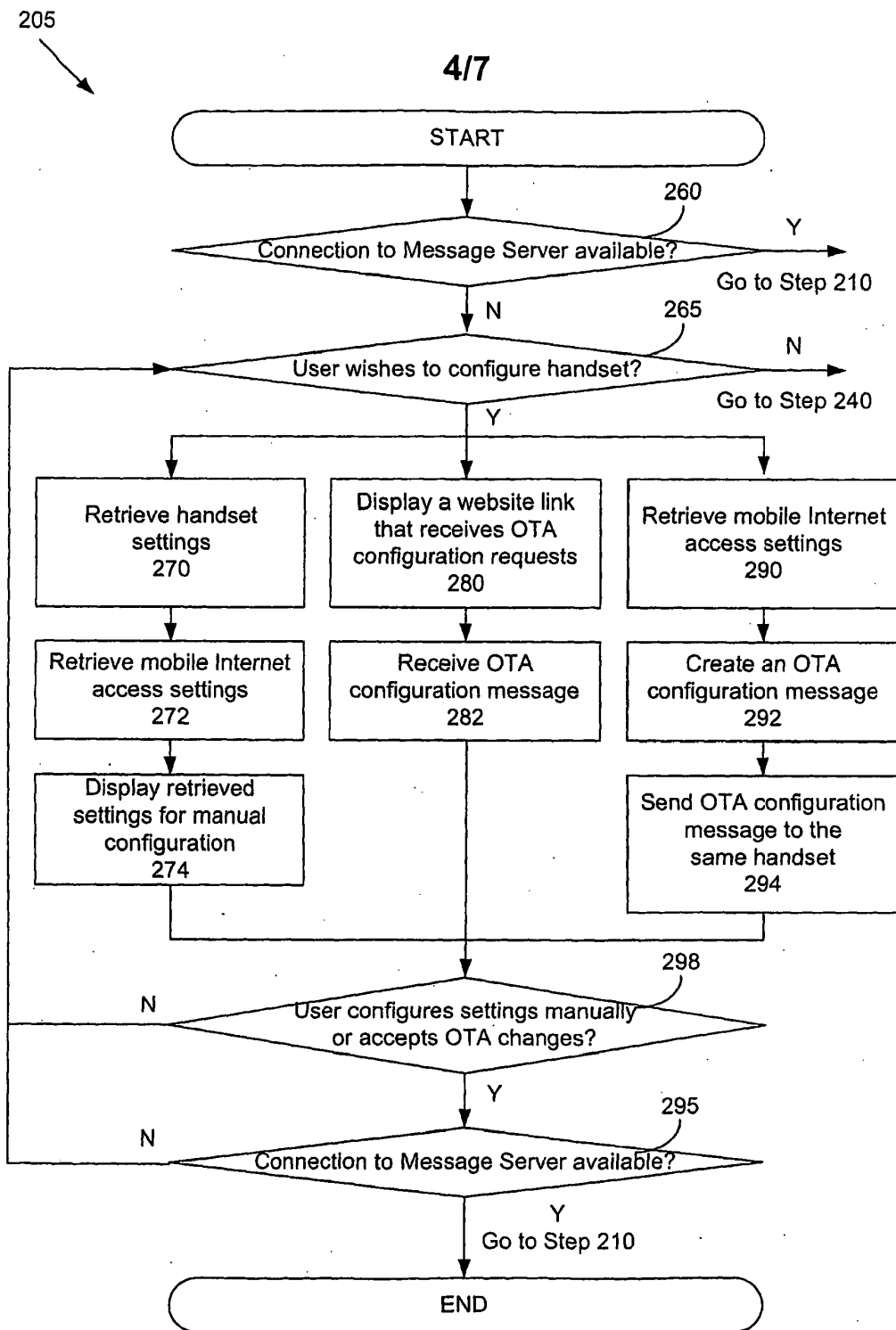


FIG. 4

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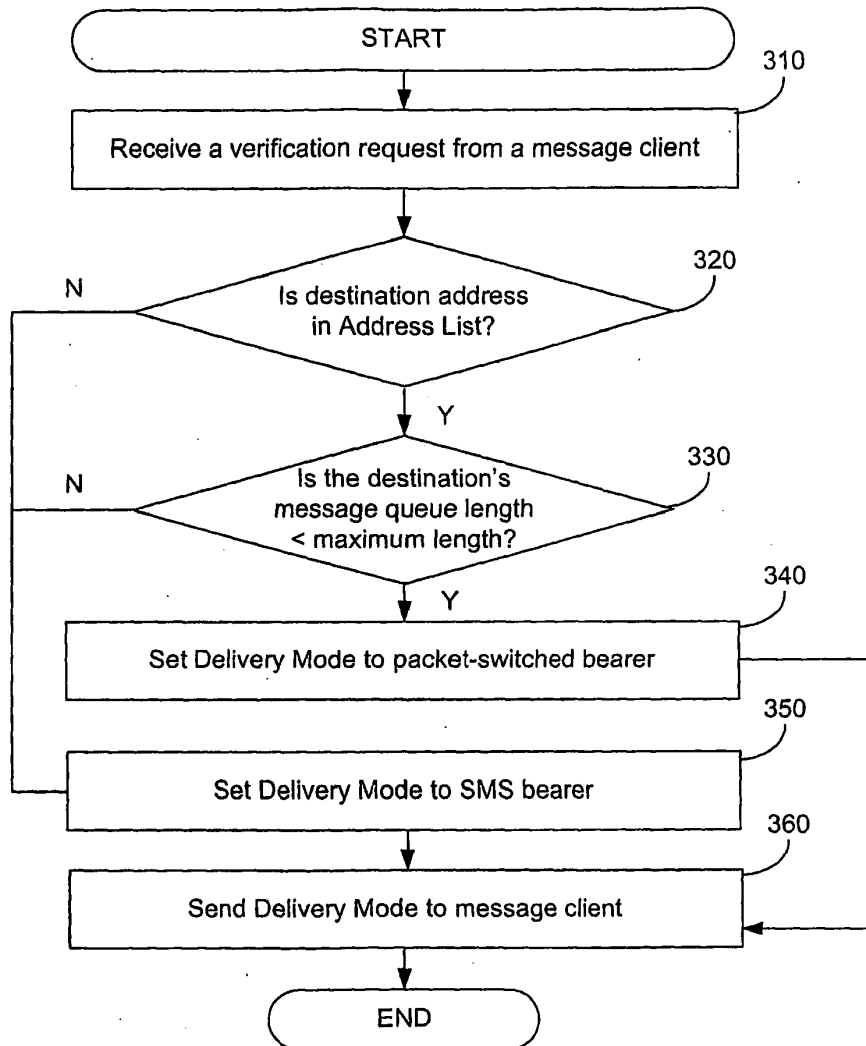


FIG. 5

FIG. 6A

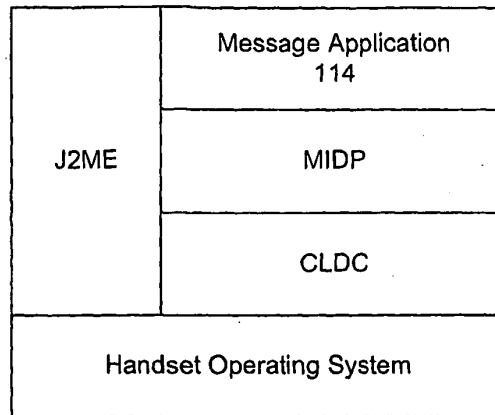


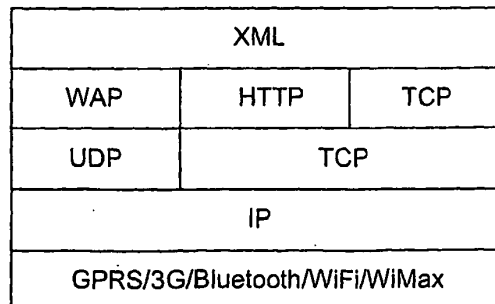
FIG. 6B

```

<message>
  <to>
    +1 555 1234
  </to>
  <body>
    Hi there!
  </body>
  <attachment>
    <photo>
      0xf6,0x34,0xa7...
    </photo>
    <voicemail>
      0xf6,0x34,0xa7...
    </voicemail>
  </attachment>
</message>

```

FIG. 6C



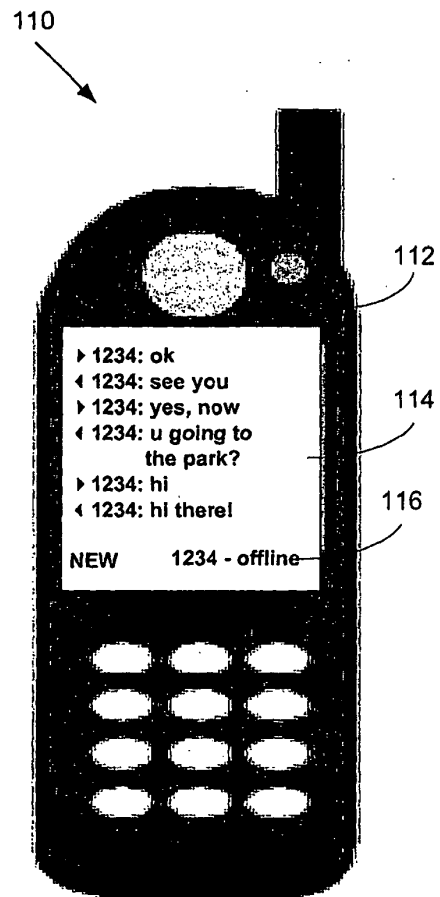


FIG. 7

SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN
ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE

Cross-Reference To Related Applications

This Application is a continuation of U.S. Patent Application Serial No. 17/872,378, filed on July 25, 2022, which is a continuation of U.S. Patent Application No. 17/740,919, filed May 10, 2022, which issued as U.S. Patent No. 11,445,338 on September 13, 2022, which is a continuation of U.S. Patent Application Serial No. 17/717,720 filed April 11, 2022, which issued as U.S. Patent No. 11,425,541 on August 23, 2022, which is a continuation of U.S. Patent Application Serial No. 17/348,348 filed June 15, 2021, which issued as U.S. Patent No. 11,432,115 on August 30, 2022, which is a continuation of U.S. Patent Application Serial No. 17/228,210 filed April 12, 2021, which issued as U.S. Patent No. 11,218,847 on January 4, 2022, which is a continuation of U.S. Patent Application Serial No. 17/131,103 filed December 22, 2020, which issued as U.S. Patent No. 11,044,584 on June 22, 2021, which is a continuation of U.S. Patent Application Serial No. 16/897,161 filed June 9, 2020, which issued as U.S. Patent No. 10,893,395 on January 12, 2021, which is a continuation of U.S. Patent Application Serial No. 16/714,113, filed on December 13, 2019, which issued as U.S. Patent No. 11,089,450 on August 10, 2021, which is a continuation of U.S. Patent Application Serial No. 15/966,965, filed April 30, 2018, which is a continuation of U.S. Patent Application Serial No. 15/011,000, filed January 29, 2016, which is a continuation of U.S. Patent Application Serial No. 14/307,166, filed on June 17, 2014, which is a continuation of U.S. Patent Application Serial No. 13/762,347, filed on February 7, 2013, which issued as U.S. Patent No. 8,918,127 on December 23, 2014, which is a continuation of U.S. Patent Application Serial No. 12/452,883, filed on July 7, 2010, which issued as U.S. Patent No. 8,401,576 on March 19, 2013, which claims priority to PCT Patent Application No. PCT/AU2008/001043, filed July 18, 2008, that claims priority to Australian Patent Application No. 2007903979, filed July 24, 2007, and Australian Patent Application No. 2007906230, filed November 13, 2007, all of which are incorporated herein by reference.

Technical Field

This invention concerns a messaging service in a wireless communications network.

Background Art

Short Messaging Service (SMS) is a technology for sending and receiving short text messages between mobile users. It was first introduced in the Global System for Mobile Communications (GSM) standards in the 1990s but was subsequently included in other wireless standards such as Code Division Multiple Access Systems (CDMA). Although SMS is extremely popular, one of its biggest drawbacks is that an SMS message can only carry a small amount of data due to limitations imposed by the Mobile Application Part (MAP) protocol of SS7. An SMS message can only contain up to 160 8-bit alphanumeric or binary characters and any message longer than 160 characters is usually sent in multiple messages.

A Short Messaging Service Centre (SMSC) is responsible for handling the delivery of SMS messages in a wireless communications network. An SMS message sent by a mobile user is first delivered to the user's network SMSC before being routed to the recipient. If the recipient's network is operated by a different provider or employs a different wireless standards, the message may pass more through more than one SMSC or SMSC gateway before reaching its final destination. Signalling System 7 (SS7) provides the transport mechanism for SMS traffic.

There are several messaging services that provide an extension to SMS. Enhanced Messaging Service (EMS), which uses existing SMS infrastructure, allows up to 255 SMS messages to be packaged as one EMS message having richer content such as animation, pictures, sounds and formatted text. Unlike SMS and EMS, Multimedia Messaging Service (MMS) messages are delivered using a mobile packet

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data network. MMS was first introduced in 2.5 generation networks such as GPRS, which provides an Internet Protocol (IP) overlay to the existing GSM networks. A multimedia message may contain images, audio clips and videos.

On the other hand, Mobile Instant Messaging (MIM) technology enables mobile devices to engage in real-time, instant messaging via an IP data network. Users need to register a user name tag or "handle" with an instant messaging service provider to send and receive messages. Many current MIM services also require users to maintain a persistent connection with the Internet during a chat session.

Summary

A system may comprise a sending mobile phone that transmits short message service (SMS) messages via a cellular network and packet switched messages via a packet switched message service (PSMS) and at least one server that supports the PSMS, maintains status information and queues messages for later delivery. The sending mobile phone may send first information representing a phone number of a first receiving mobile phone to the at least one server. The at least one server, in response to receipt of the first information, may send a first response to the sending mobile phone when the phone number of the first receiving mobile phone is not identified as a subscriber of the PSMS. After the first response is received by the sending mobile phone, the sending mobile phone may send a SMS message to the first receiving mobile phone. The sending mobile phone may send second information representing a phone number of a second receiving mobile phone to the at least one server. The at least one server, in response to receipt of the second information and conditioned on the phone number of the second receiving mobile phone being identified as a subscriber of the PSMS and the second receiving mobile phone having an active status with the PSMS, may send a second response to the sending mobile phone. After the second response is received by the sending mobile phone, the sending mobile phone may send a packet switched message, via a wireless local area network (WLAN) and the PSMS, to the second receiving mobile phone. At the time the packet switched message is sent, the second receiving mobile phone may not be connected to the at least

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one server. The packet switched message may be queued by the at least one server until the second receiving mobile phone connects to the at least one server. The PSMS may be a service for sending and receiving packet switched messages other than SMS, enhanced message service (EMS) and multimedia message service (MMS) messages. Content of the SMS message and content of the packet switched message is displayed by a same messaging application.

Disclosure Of The Invention

In a first aspect, the invention is a method for providing a messaging service on a wireless device in a wireless communications network; the method comprising the steps of:

Retrieving the destination address of an outgoing message on the device.

Verifying whether the destination address is capable of receiving the message via a packet-switched bearer.

If verification is affirmative, then automatically sending the message to the destination address via a packet-switched bearer, but otherwise, automatically sending the message to the destination address via an SMS bearer.

Unlike conventional SMS, EMS and MIM clients, the invention combines existing messaging solutions to offer a single interface for sending and receiving both text and multimedia messages. The automatic bearer selection enables the user to have the widest range of messaging options, including text, voice, video, picture, based on knowledge of the status and capability of the recipient's device.

The SMS bearer may be a conventional GSM SS7 signalling channel. The packet-switched bearer may be a HSDPA, WCDMA, CDMA2000, GPRS or similar data bearer. The packet-switched bearer may also supported by other wireless technologies such as Bluetooth, WiFi, WiMax. Further, the packet-switched bearer may be operated

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by a sender's mobile operator or an independent mobile Internet service provider. Compared with an SMS bearer, a packet-switched data bearer is able to send a message with unlimited size at a higher speed.

The destination address may be a mobile phone number or a numeric "shortcode" or alias representing one or more, or a combination of, phone numbers, email addresses, instant messaging user handles and IP addresses. Therefore, for all users of the messaging service, and unlike conventional MIM clients, the invention utilises a user's mobile phone number as the identifier of the user, and does not require the user to register a user name, tag or handle, thus providing a single number for message sending.

A message client running on the device may programmatically and dynamically construct an outgoing message in the correct syntax given the user's preferences and given the dynamic requirements of the message server for a particular service.

The message client may interpret incoming SMS or incoming messages from the message server that are identified in their contents as being requirements for the dynamic construction of a message, when the user views the message.

Alternatively, the message client may interpret incoming SMS or incoming messages from the message server that are identified in their contents as being requirements for the dynamic construction of a message, and store the requirements for the dynamic construction of a message, such that they may be invoked by selecting a dynamic menu option.

The requirements may be set out in a structured format using XML such that the message client shall, when a user opens a message containing requirements for the dynamic construction of a message, or when a user selects a dynamic menu:

Present the user with options to choose from; and

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For each option, know the intended destination and bearer of the message; and

Prompt the user for input or to select a file to be sent with the constructed message; and

Construct a message of the correct syntax based on the user's choices and input.

The method may further comprise the step of connecting to a message server before verifying the destination address. If connection to the message server is not available, the invention may support several configuration methods in order to configure the mobile device so as to be able to establish a connection to the message server.

Firstly, the method may comprise the step of retrieving connection parameters and displaying the retrieved parameters on the mobile device if connection to a message server is not available. A mobile user may then use the retrieved parameters to manually configure the handset before retrying to connect to the message server.

Besides manual configuration, the invention may support manual and automatic over-the-air (OTA) programming. The method may further comprise the step of displaying a link for a sender to request an OTA configuration message if connection to the message server is not available. For example, a user may then access a website to request a configuration message to be sent to the user's mobile device.

The method may further comprise the step of retrieving connection parameters, automatically creating an OTA configuration message based on the retrieved parameters and sending the generated configuration message from the mobile device to the same mobile device. Using such automatic OTA configuration, users do not have to manually change the settings on their mobile device to establish a connection with the message server. The OTA configuration message may be a binary SMS.

The step of verifying the destination address may involve sending an address verification request to a message server and then receiving a notification from the message server specifying whether the destination address is capable of receiving the message via a packet-switched bearer.

The destination address may be capable of receiving the message via a packet-switched bearer if the address is on a subscriber address list. The subscriber address list may be a list of destination addresses that subscribes to the messaging service. The subscriber address list may be maintained by the message server.

The destination address may be capable of receiving the message using a packet-switched bearer if the address is on the subscriber address list and has an active status. For example, the recipient is inactive if the length of the message queue of the destination address exceeds a maximum allowable length.

The method may further comprise the step of automatically providing options to add one or more attachments to the outgoing message before sending the message if a packet-switched bearer is selected. The attachment may be a text, voice, video or picture file. On the other hand, an outgoing message that is sent using an SMS bearer can only be either an SMS or EMS message and not have attachments.

Using the invention, a sender may optimally add attachments to an outgoing message depending on the capability of a recipient's mobile device. For example, a user may attach a voice or video message a text message if the recipient is able to receive and play the attachment. Further, the invention uses a push model to deliver a voicemail to a mobile user without the need of retrieval.

The method may further comprise the step of formatting the outgoing message according to the mode of delivery before sending the message. If the message is sent via a packet-switched data bearer, the message may be formatted as an XML ASCII

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string.

The method may further comprise the step of appending a system message to the outgoing message if an SMS bearer is selected.

The system message may comprise an invitation to add the destination address to a subscriber address list if the destination address is not on the list. Otherwise, if the destination address is on the subscriber address list but has an inactive status, the system message may comprise an invitation to retrieve messages in the message queue of the destination address.

By sending an invitation to non-subscribers to add their destination address to the subscriber address list, new users may subscribe to the messaging service without having to actively source how to obtain the service. This viral, peer-to-peer invitation method also does not require central monitoring nor generate additional traffic since an invitation is appended to an outgoing message.

The method may further comprise the step of notifying the recipient, if the recipient is on the subscriber list, when either a message has been received (if the recipient is connected to the message server), or when a message is queued but not yet delivered (if the recipient is not connected to the message server). The notification method may be a single ring to the recipient's mobile device. A notification message may also be sent to the sender of the message.

The method may further comprise queuing an outgoing message for later delivery if the message is undelivered. For example, a message cannot be delivered if the destination address is on the subscriber address list, but the recipient is not, at the time of sending, connected to the message server by a packet-switched bearer.

In another aspect, the invention is a mobile device programmed to perform the method. In a further aspect, the invention is a software program to implement the

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method.

Brief Description of the Drawings

An example of the invention will now be described with reference to the accompanying drawings, in which:

FIG. 1 is a diagram of a messaging system.

FIG. 2A is the user interface on a sender's mobile device.

FIG. 2B is the user interface on a recipient's mobile device.

FIG. 3 is a flowchart of the routine performed by a message client.

FIG. 4 is a flowchart of the routine performed by a message client to establish a connection with a message server.

FIG. 5 is a flowchart of the address verification routine performed by a message server.

FIG. 6A is a diagram of the architecture of a message client.

FIG. 6B is an exemplary message format.

FIG. 6C is a diagram of a TCP/IP protocol model used by a message client.

FIG. 7 is the user interface on a sender's mobile device during a chat session.

Best Modes of the Invention

Referring first to FIG. 1, the messaging system 100 comprises a message server 170 in communication with network users 110, 120 and 125 via the Internet 160 and base stations 130, 150, 180 and 190. Base stations 130 and 150 are typical based stations in a GSM, CDMA, 3G, 3.5G or similar network that supports a HSDPA, WCDMA, CDMA2000, GPRS or similar data bearer and are connected to an SMSC via Core Network 140.

Network users 110, 120 and 125 may be part of a wireless personal area network (WPAN), a wireless local area network (WLAN) or a wireless wide area network (WWAN). Base stations 180 and 190 are wireless Internet base stations operated by an independent wireless service provider. For example, the users may access the wireless Internet using technologies such as Bluetooth, ZigBee or mesh networking in a WPAN; WiFi in a WLAN or WiMax in a WWAN.

In this example it is assumed that a first user 110 ("the sender") is sending a message to a second user 120 ("the recipient"). The message contains the phrase "Hi there!" as well as a photo and a voicemail as attachments. Referring now to FIG. 2A, a message client 114 runs on the mobile device 112 and is responsible for choosing the mode of delivery of an outgoing message.

To use the invention, the message client 114 needs to be activated by the sender 110. However, the message client 114 may be also activated automatically when the handset is switched on if such feature is supported by the handset's operating system. Having activated the message client 114, the sender 110 then selects or enters a destination number. The message client 114 then decides on how the message can be sent.

The recipient 120 may be on a network operated by the same or a different service provider. The sender and the recipient are each associated with an address. The destination address is either a mobile phone number or a numeric "shortcode" or "channel", which is an alias representing one or more phone number, email address or instant message handle. For example, certain number ranges may be controlled by the messaging server (e.g. 1 800 xxxxxx), some under users' control as destinations as aliases for a group of numbers and addresses (e.g. 1 801 xxxxxx), and some for accessing content services (e.g. 1 900 xxxxxx). Shortcodes are unique and private to a user, hence the same numeric shortcode may be used by multiple users.

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Shortcodes are created by users and maintained by message server 170. For example, a user creates a shortcode by sending a message with the following content to the message server 170:

Add channel20 andrew@messmo.com,
robert@yahoo.com, 0423789080, 98765432@jabber.org.

The shortcode 20 is an alias for a group comprising two email addresses, one mobile number and an instant message handle. For example, to send a message to the shortcode created, the destination address will be set to 1801 20.

The syntax of messages in the example above is strict, however the user is not limited in their use of services by limits in their own knowledge of the message syntax.

The message client 114 is able to programmatically and dynamically construct an outgoing message in the correct syntax given the user's preferences and given the dynamic requirements of the message server 170 for a particular service.

The message client 114 interprets incoming SMS or incoming messages from the message server 170 that are identified in their contents as being requirements for the dynamic construction of a message. The interpretation can occur either when the user views the message (for example a message titled "Click to create a Channel"), and/or the message client may interpret the incoming SMS, or incoming messages from the message server 170, and store the requirements for the dynamic construction of a message, such that they may be invoked by selecting a dynamic menu option.

The requirements are set out in a structured format using XML such that the message client 114 shall, either when a user opens a message containing requirements for the dynamic construction of a message, or selects a dynamic menu:

Present the user with options to choose from; and

For each option, know the intended destination and bearer of the message;

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and

Prompt the user for input or to select a file to be sent with the constructed message; and

Construct a message of the correct syntax based on the user's choices and input. If the message contained requirements for the dynamic construction of a message, where those requirements are by way of example set out as:

```

<MessageConstructorRequirements>
  <MCTitle>Shortcode</ MCTitle >
  <Option>
    <OptionTitle>Subscribe</ OptionTitle>
    <Bearer>SMS</Bearer>
    <Destination>1800</Destination>
    <OutputToken  DataType='String' InputMethod='Constant'
Count='1'>Add Channel</OutputToken>
    <OutputToken  DataType='Number' InputMethod='Input'
Count='1'>Channel</OutputToken>
    <OutputToken  DataType='String' InputMethod='Input'
Count='4'>Destination</OutputToken>
  </Option>
</I
MessageConstructorRequirem
ents >

```

The message client 114 would present the user with a message titled 'Shortcode', where the message client would:

- Present the user with the option 'Subscribe'; and if this option is selected
- Prompt the user for one shortcode eg. User inputs 20; and
- Prompt the user for four destinations eg. User inputs andrew@messmo.com, robert@yahoo.com, 0423789080, 98765432@jabber.org; and
- Construct a message eg. 'Add Channel20 andrew@messmo.com, robert@yahoo.com, 0423789080, 98765432@jabber.org' to be sent to 1900 via SMS bearer.

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Thus enabling the benefit to the user of the use of a service where they otherwise may have been unfamiliar with, or unwilling to input, the strict syntax of the message required for the service.

When a message is sent to a shortcode, the message can be sent either as a conventional SMS or EMS message using a conventional SMS bearer or a packet-switched data bearer. If a SMS bearer is used, the message will be sent via a GSM or GPRS signalling channel to Core Network 140, SMSC 145, base station 150 before finally reaching recipient 120. If an SMS bearer is used the attachments such as the photo and voicemail will not be sent.

If a packet-switched data bearer is used, the message client has a choice of sending the message using a packet-switched bearer supported by the mobile operator's or a third party's network. For example, in a GSM system with General Packet Radio Service (GPRS) overlay, an SMS bearer may be an SS7 signalling channel while a packet-switched data bearer may be a shared transmission channel that combines multiple timeslots in a GSM TDMA frame. The packet-switched data bearer may also be a Bluetooth, WiFi, WiMax or any other WPAN, WLAN, or WWAN wireless data transfer protocol.

Referring now to FIG. 3, the client 114 first checks whether the sender 110 is connected to the Internet 160 and message server 170; see step 205. As shown in FIG. 1, the sender 110 may be connected to the message server 170 via a mobile operator's data network (base stations 130) or a network provided by an independent mobile Internet service provider (base station 180).

The step of connecting to the message server 170 (step 205) will now be explained with reference to FIG. 4. The client 117 first checks whether connection to the message server 170 is available. If the connection is not available, the client 117 displays options for the sender 110 to configure the handset such that connection to the message server

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170 can be established; see step 265.

The client 117 supports three configuration methods. Firstly, manual configuration may be used; see steps 270, 272 and 274. In this case, the client 117 first retrieves information specific to the handset and the mobile Internet service provider. As mentioned, the mobile Internet service provider may be a mobile operator or an independent provider. The client 117 then displays the retrieved information such that the sender 110 can configure the handset manually; step 274.

Alternatively, if the sender's mobile device is capable of receiving and processing OTA messages, the client 117 may provide a link to a website that solicits OTA configuration requests; steps 280 and 282. The website may be operated by the message server 170 or a third party and accessed via a PC, WAP connection from the sender's mobile device or other means. Upon receiving the OTA configuration message, the sender's mobile device will ask the sender to accept the changes to its mobile Internet access settings according to the configuration message; step 298. If the changes are accepted, the client 117 then retries to connect to the message server 170; step 295.

Besides manual configuration and manual OTA configuration requests, the client 117 is capable of performing self-configuration; see steps 290, 292 and 294. Assuming that the client 117 is aware of the specific parameters necessary to configure the sender's mobile device to access the mobile Internet, the client 117 first creates an OTA configuration message based on the parameters. The client 117 then sends the OTA message to the sender's handset (same device). For example, the message may be sent as an OTA binary SMS. Upon receiving the OTA configuration message, the sender's mobile device asks the sender to accept the changes to its mobile Internet access settings according to the configuration message; step 298. Similarly, the client 117 then retries to connect to the message server 170 when under the new settings; step 295.

The above configuration steps may be repeated until either the message server

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170 is connected or the user has abandoned the configuration in step 265. In this case, that is the connection to the message server 170 is not available, the client 117 will select an SMS bearer as the mode of delivering the outgoing message and proceeds to format the message in step 240. Note that besides configuring the mobile Internet access settings of a mobile device, the client 117 may generate OTA messages to configure other settings such as email, WAP, MMS and video streaming.

If the sender has access to the message server 170, the client 114 then retrieves from the message without reference to the message server the destination address of the outgoing message 220; see step 210. The client then sends a verification request to the message server 170 via base station 130 or 180 and the Internet 160; step 215.

Upon receiving an address verification request, the message server 170 performs the method shown in FIG. 5. The message server 170 first checks whether the destination address is on a list of subscribing addresses; step 320. If the destination address is not known to the message server 170, the mode of delivery will be set to an SMS bearer; step 350.

If the destination is on the list of subscribing addresses, the message server 170 proceeds to check the status of the recipient, that is whether the destination message queue length has exceeded a predetermined maximum length; 330. If the recipient has a long inactive queue, the message server 170 will notify the message client 114 to send the message using an SMS bearer; see step 350. Otherwise, the mode of delivery is set to a packet-switched bearer; see step 360 in FIG. 5.

Referring to FIG. 3 again, the message client 114 at the sender 110 provides options for format and attachment of the outgoing message based on the mode of delivery; steps 224, 226, 230 and 240. The mode of delivery, using information about the recipient's handset stored in the message server, provides an indication of the capabilities of the recipient's handset and the type of message that can be received by the recipient's 120. If the recipient 120 is an active user, the full range of the recipient's

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capabilities is assumed. However, if the recipient 120 is an inactive or past subscriber, the message server's 170 knowledge of the recipient's capabilities may be outdated if the recipient has changed its handset. The recipient 120 may then be invited to update its information.

The message client 114 then intelligently advises the sender 110 whether the recipient 120 is able to read attachments or non-text messages. For example, if the mode of delivery is a packet-switched bearer, the sender 110 is offered with the "ATTACH" option to add voice, picture or video attachments to the message; see FIG. 2A and steps 224 and 226 in FIG. 3.

If the mode of delivery is an SMS bearer, the "ATTACH" option will be disabled. Further, depending on configurable settings on the sender's mobile device, the client 117 also appends a system message to the outgoing message in step 245. If the destination address is not on the list of subscribing addresses, an invitation to download the client will be added to the outgoing SMS or EMS. For example, the invitation may read:

"Go to www.clientdownload.com to download <name of message client>".

The message client 114 can then be downloaded to the recipient's mobile device 120. Then upon starting the message client, the message client will generate a unique authentication identifier, either randomly or derived from the mobile devices hardware identification or generated by the message server. The message client will then initiate a connection to the message server and communicate the authentication identifier. The message client will in parallel send a SMS containing the authentication identifier to a SMS gateway service. The SMS gateway service then sends the message, including the originating phone number and the body of the message containing the authentication identifier, to the message server via HTTP, SMTP, SMPP or a similar protocol.

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Upon receipt of the details of a SMS, the message server will determine the originating phone number of the mobile device from the details of the SMS, and hence add the new address (originating phone number) to the list of subscribing addresses. By matching the authentication identifier, either the message server will send the message client confirmation that the mobile device and user has been authenticated, or the message client will initiate the action and request the same confirmation from the message server. This authentication method allows new users to be authenticated and to subscribe to the messaging service via one SMS without requiring any registration or data entry.

If the destination address is on the list of subscribing addresses but the recipient 120 is inactive, a message to remind the recipient 120 to connect to the message server 170 will be appended to the outgoing SMS or EMS. For example, the system message may read:

"You have 50 unread messages on <name of message client>." Returning to the sending mobile device 110, if the mode of delivery is a packet-switched bearer, the message client manages the delivery of the message similar to a MIM client such as Jabber. An exemplary architecture of the message client is shown in FIG. 6A, where the message client may be a Java 2, Mobile Edition (J2ME) program installed on a mobile device. The formatted message is sent as an XML ASCII string via a TCP/IP socket to the message server or a HTTP post, an example of which is shown in FIG. 6B. The message contains a text phrase "Hi there!" in the body and two attachments. A photo attachment is defined between <photo> and </photo> and a voicemail is defined between <voicemail> and </voicemail>.

FIG. 6C illustrates the five-layer TCP/IP protocol model used by the message client. GPRS, 3G, 3.5G or other wireless protocols such as Bluetooth, WiFi and Wimax are used in the data link layer to deliver the message from the mobile device to the wireless communications network, IP is used in the network layer to deliver the packet from the sender to the recipient, UDP and TCP form the transport layer and HTTP,

WAP and XML are used in the application and presentation layers.

FIG. 2B shows the user interface of the recipient 120 when a message is received. The recipient 120 may receive a notification when the message has been successfully received as the recipient while being connected to the messaging server, may be using another function of the mobile device. The notification may be a single ring of the recipient's mobile device.

If the destination address is a shortcode, steps 320 and 330 in FIG. 5 are repeated for each phone number, email address and user name tag represented by the shortcode. If not all addresses in the shortcode are capable of receiving the message via a packet-switched data bearer, the reply by message server 170 may be an array of binary answers. For example, if a shortcode represents three addresses and only the first has installed the message client, the mode of delivery is set to $m_1m_2m_3=100$, where 1 represents a packet-switched bearer and 0 represents an SMS bearer.

A delivery confirmation message may also be sent to the sender 110 by the message 170 if the message is sent using a packet-switched bearer. The message client 114 maintains a copy of recent messages sent by a user, for example, for a limited time. If a message is unsuccessfully delivered, it will be queued for later delivery. For example, a message cannot be delivered if the recipient 120 is not connected to the message server 170 when the message is sent. In this case the recipient 120 may receive a notification that a message is queued for later delivery. The notification may be a single ring of the recipient's mobile device, generated by the message server 170, but using a different originating number from that used for the notification when the message has been delivered, so as to enable the user to optionally utilize mobile device features such as distinct ringtones mapped to sending numbers.

A sender 110 and a recipient 120 may send and receive multiple messages during a chat session. The user interface may be similar to that of a desktop instant messaging

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program. For example, an exemplary user interface of sender 110 is shown in FIG. 7. A left arrow indicates a message sent by the sender while a right arrow represents a received message. Depending on configurable user preferences, the recipient 120 with phone number 1234 may choose to have his or her presence known to the sender 110; see 116 in FIG. 7. Using the presence information, the sender 110 may then stop sending new messages to the recipient 120 if the latter has gone offline.

Besides performing address verification, the message server 170 also maintains user authentication. Authentication is simple and does not require a user to create a user name tag like existing MIM servers. Instead, the user's mobile phone number is the default identifier. Authentication adds the mobile phone number to the subscriber address list.

Referring to FIG. 1 again, the message server 170 receives each message that is sent using a packet switched bearer. Each message is in an XML format, and the message server parses the message to determine the destination address.

The message server 170 is also in communication with third-party content providers 175 over the Internet 180. When the message server identifies a destination address corresponding to a third party content provider, it automatically sends the message to the third party. The third party may, for example depending on the presence of keywords, send additional information related to the keywords to the sender 110. However, a user may disable this feature.

For example, if the message contains the name of a certain brand, BUYME, information concerning where to buy the product or its latest promotion will be retrieved from the third party content provider in communication with the message server. In this case, depending on the capability of the recipient's mobile device, the information may be sent as a conventional SMS or as a text message via a packet-switched bearer, with optionally one or more attachments.

User privacy may be protected by not revealing a user's phone number to a third party without the consent of the user. For example, a user may send a query to a third party content provider 175 to ask about the weather forecast in a particular location via the message server 170. To hide a user's identity, the message server may dynamically create a random number that maps to the user's actual mobile number and passes the query to the third party content provider 175. Further, this mapping may be dynamic, not static, to ensure that the third party is not able to determine information about the general behavior of the users.

Similar to user-to-user messages, the type of advertising and marketing message that is sent to a user also depends on the capabilities of the user's handset. Therefore since the message server is aware of the capabilities of user's handsets, as user handsets are upgraded, the message server 170 is able to target those users with enhanced, multimedia message content.

It will be appreciated by persons skilled in the art that numerous variations and/or modifications may be made to the invention as shown in the specific embodiments without departing from the spirit or scope of the invention as broadly described. For instance, the current application outlines how a user, when using a message client, will be prompted to use an SMS, if the recipient is not a user of the message service. The existing context of this is that the user is initiating the message. The functionality can be extended to the situation where a message is sent using the message client with the goal of prompting the user to send a response SMS. This can be useful in generating SMS traffic from third parties by sending one message that prompted the recipients to select one or more voting buttons each of which causes an SMS to be sent to a specific premium number.

Conversely the same concept works well for a community of users of a message client who do not wish to use premium numbers. The entire community can be polled. Each receives an indication to select a voting button, and the selections each cause a

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message with predetermined text to be sent to a predetermined recipient. This minimizes the event of false responses that cannot be counted.

The present embodiments are, therefore, to be considered in all respects as illustrative and not restrictive.

Claims:

1. A system comprising:

a sending mobile phone that transmits short message service (SMS) messages via a cellular network and packet switched messages via a packet switched message service (PSMS); and

at least one server that supports the PSMS, maintains status information and queues messages for later delivery;

wherein:

the sending mobile phone sends first information representing a phone number of a first receiving mobile phone to the at least one server;

the at least one server, in response to receipt of the first information, sends a first response to the sending mobile phone when the phone number of the first receiving mobile phone is not identified as a subscriber of the PSMS;

after the first response is received by the sending mobile phone, the sending mobile phone sends an SMS message to the first receiving mobile phone;

the sending mobile phone sends second information representing a phone number of a second receiving mobile phone to the at least one server;

the at least one server, in response to receipt of the second information and conditioned on the phone number of the second receiving mobile phone being identified as a subscriber of the PSMS and the second receiving mobile phone having an active status with the PSMS, sends a second response to the sending mobile phone;

after the second response is received by the sending mobile phone, the sending mobile phone sends a packet switched message, via a wireless local area network (WLAN) and the PSMS, to the second receiving mobile phone, wherein at the time the packet switched message is sent, the second receiving mobile phone is not connected to the at least one server, wherein the packet switched message is queued by the at least one server until the second receiving mobile phone connects to the at least one server;

the PSMS is a service for sending and receiving packet switched messages other than SMS, enhanced message service (EMS) and multimedia message service (MMS) messages; and

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content of the SMS message and content of the packet switched message is displayed by a same messaging application.

2. The system of claim 1, wherein the second receiving mobile phone has an active status with the PSMS in at least one case when the second receiving mobile phone is not connected to the at least one server.

3. The system of claim 1, wherein the second receiving mobile phone has an active status with the PSMS in at least one case when the second receiving mobile phone is connected to the at least one server and the second receiving mobile phone has an active status with the PSMS in at least one case when the second receiving mobile phone is not connected to the at least one server.

4. The system of claim 1, wherein the second receiving mobile phone has an inactive status with the PSMS subsequent to a plurality of messages being queued for the second receiving mobile phone.

5. The system of claim 1, wherein the status information maintained by the at least one server is maintained in accordance with an undelivered message queue.

6. The system of claim 1, wherein the second receiving mobile phone has an inactive status with the PSMS when an inactivity parameter associated with the second receiving mobile phone exceeds a threshold.

7. The system of claim 1, wherein the second receiving mobile phone has an active status with the PSMS after a message queued for the second receiving mobile phone is delivered to the second receiving mobile phone.

8. The system of claim 1, wherein the second receiving mobile phone has an active status with the PSMS at a point in time subsequent to a message queued for the second receiving mobile phone being delivered to the second receiving mobile phone.

9. The system of claim 1, wherein the second receiving mobile phone has an active status with the PSMS when the second receiving mobile phone is connected to the at least one server and the second receiving mobile phone remains active for a time period after the second receiving mobile phone is not connected to the at least one server, after which the second receiving mobile phone has an inactive status with the PSMS, wherein a plurality of undelivered messages are queued during the time period.

10. The system of claim 1, wherein:

the sending mobile phone sends the SMS message to the first receiving mobile phone in accordance with the first response;

the sending mobile phone sends the packet switched message to the second receiving mobile phone in accordance with the second response.

11. The system of claim 4, wherein at least one of the plurality of messages queued for the second receiving mobile phone is a picture message.

12. The system of claim 4, wherein at least one of the plurality of messages queued for the second receiving mobile phone is a video message.

13. The system of claim 4, wherein at least one of the plurality of messages queued for the second receiving mobile phone is a voice message;

wherein the messaging application does not provide a voice message attachment option during a period of time between when the first information is received by the messaging application and when the second information is received by the messaging application;

wherein the messaging application provides a voice messaging attachment option at a time subsequent to when the second information is received by the messaging application.

14. The system of claim 1, wherein the messaging application displays an

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indication of a bearer used for transmission of the packet switched message, prior to transmission of the packet switched message.

15. The system of claim 1, wherein the messaging application displays an indication of a bearer used for transmission of the SMS message, prior to transmission of the SMS message.

16. The system of claim 1, wherein at the time the packet switched message is sent, the second receiving mobile phone has an active status with the PSMS; wherein the second response communicates a different query result than the first response.

17. A method performed by a sending mobile phone that transmits short message service (SMS) messages via a cellular network and packet switched messages via a packet switched message service (PSMS), the method comprising:

- sending first information representing a phone number of a first receiving mobile phone to a server of the PSMS;

- receiving a first response when the phone number of the first receiving mobile phone is not identified as a subscriber of the PSMS;

- sending, after the first response is received by the sending mobile phone, an SMS message to the first receiving mobile phone;

- sending second information representing a phone number of a second receiving mobile phone to the server;

- receiving a second response, when the phone number of the second receiving mobile phone is identified as a subscriber of the PSMS and when the second receiving mobile phone has an active status with the PSMS; and

- sending a message, after the second response is received by the sending mobile phone, via a wireless local area network (WLAN) and the PSMS, to the second receiving mobile phone;

- wherein the second response communicates different information than the first response;

- wherein the PSMS is a service for sending and receiving packet switched

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messages other than SMS, enhanced message service (EMS) and multimedia message service (MMS) messages;

wherein the SMS message sent to the first receiving mobile phone and the message sent to the second receiving mobile phone are originated via a same messaging application.

18. The method of claim 17, further comprising:

sending third information representing a phone number of the second receiving mobile phone to the server;

receiving a third response, when the phone number of the second receiving mobile phone is identified as a subscriber of the PSMS and when the second receiving mobile phone does not have an active status with the PSMS;

sending, after the third response is received, an SMS message to the second receiving mobile phone;

wherein the third response communicates a same query result as the first response, and the third response communicates a different query result than the second response.

19. The method of claim 18, further comprising:

sending, after the third response is received, a multimedia message service (MMS) message to the second receiving mobile phone.

20. The method of claim 176, wherein when the second response is received, the second receiving mobile phone is offline from the PSMS.

21. The method of claim 17, wherein the server is located outside of the cellular network.

22. A method performed by a sending mobile phone that transmits short message service (SMS) messages via a cellular network and packet switched messages via a packet switched message service (PSMS), the method comprising:

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sending first information representing a phone number of a first receiving mobile phone to a server of the PSMS;

receiving a first response when the phone number of the first receiving mobile phone is not identified as a subscriber of the PSMS;

sending, after the first response is received by the sending mobile phone, a SMS message to the first receiving mobile phone;

sending second information representing a phone number of a second receiving mobile phone to the server;

receiving a second response, when the phone number of the second receiving mobile phone is identified as a subscriber of the PSMS and when the second receiving mobile phone has an active status with the PSMS;

sending a message, after the second response is received by the sending mobile phone, via a wireless local area network (WLAN) and the PSMS, to the second receiving mobile phone;

sending third information representing the phone number of the second receiving mobile phone to the server;

receiving a third response, when the phone number of the second receiving mobile phone is identified as a subscriber of the PSMS and when the second receiving mobile phone does not have an active status with the PSMS;

sending, after the third response is received by the sending mobile phone, an SMS message to the second receiving mobile phone;

wherein the second response communicates different information than the third response; and

wherein content of the SMS message sent to the first receiving mobile phone, content of the message sent via the WLAN to the second receiving mobile phone and content of the SMS message sent to the second receiving mobile phone is displayed by a same messaging application.

23. The method of claim 22, wherein the sending mobile phone is authenticated to the PSMS via SMS.

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24. The method of claim 22, wherein content of the SMS message sent via the WLAN to the second receiving mobile phone and content of the SMS message sent to the second receiving mobile phone is displayed in a same interface.

25. A method performed by a sending mobile phone that transmits short message service (SMS) messages via a cellular network and packet switched messages via a packet switched message service (PSMS), the method comprising:

- sending first information representing a phone number of a first receiving mobile phone to a server of the PSMS;

- receiving a first response when the phone number of the first receiving mobile phone is not identified as a subscriber of the PSMS;

- sending, after the first response is received by the sending mobile phone, a SMS message to the first receiving mobile phone;

- sending second information representing a phone number of a second receiving mobile phone to the server;

- receiving a second response, when the phone number of the second receiving mobile phone is identified as a subscriber of the PSMS and when the second receiving mobile phone has an active status with the PSMS;

- sending a message, after the second response is received by the sending mobile phone, via a wireless local area network (WLAN) and the PSMS, to the second receiving mobile phone;

- sending third information representing the phone number of the second receiving mobile phone to the server;

- receiving a third response, when the phone number of the second receiving mobile phone is identified as a subscriber of the PSMS and when the second receiving mobile phone does not have an active status with the PSMS;

- sending, after the third response is received by the sending mobile phone, an SMS message to the second receiving mobile phone;

- wherein the second response communicates different information than the third response; and

- wherein content of the SMS message sent to the first receiving mobile phone,

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content of the message sent via the WLAN to the second receiving mobile phone and content of the SMS message sent to the second receiving mobile phone is displayed by a same messaging application.

26. The method of claim 25, wherein:

the SMS message sent to the first receiving mobile phone is sent in accordance with the first response;

the message sent to the second receiving mobile phone is sent in accordance with the second response;

the SMS message sent to the second receiving mobile phone is sent in accordance with the third response.

27. The method of claim 25, wherein the first information comprises a plurality of phone numbers.

28. The method of claim 25, wherein at the time the second response is received by the sending mobile phone, the second receiving mobile phone is not connected to the PSMS.

29. The method of claim 25, wherein the messaging application displays an indication of a bearer used for transmission of the message sent to the second receiving mobile phone, prior to the sending of the message to the second receiving mobile phone.

30. The method of claim 25, wherein the messaging application displays an indication of a bearer used for transmission of the SMS message sent to the first receiving mobile phone, prior to the sending of the SMS message to the first receiving mobile phone.

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Abstract

A system may comprise a sending mobile phone that transmits SMS messages via a cellular network and packet switched messages via a packet switched message service (PSMS) and at least one server that supports the PSMS, maintains status information and queues messages for later delivery.

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	RMT-PT001.18
		Application Number	
Title of Invention	SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE		
<p>The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.</p> <p>This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.</p>			

Secrecy Order 37 CFR 5.2:

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

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Title of the Invention	SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE		
Attorney Docket Number	RMT-PT001.18	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	7	Suggested Figure for Publication (if any)	1

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	RMT-PT001.18
		Application Number	
Title of Invention	SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE		

Filing By Reference:

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

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

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

Publication Information:

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

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

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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.

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Prior Application Status	Pending	Remove	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Continuation of	17872378	2022-07-25

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	RMT-PT001.18
		Application Number	
Title of Invention	SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE		

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Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
17872378	Continuation of	17740919	2022-05-10	11445338	2022-09-13
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17740919	Continuation of	17717720	2022-04-11	11425541	2022-08-23
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17717720	Continuation of	17348348	2021-06-15	11432115	2022-08-30
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Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
17348348	Continuation of	17228210	2021-04-12	11218847	2022-01-04
Prior Application Status		Patented			Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
17228210	Continuation of	17131103	2020-12-22	11044584	2021-06-22
Prior Application Status		Patented			Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
17131103	Continuation of	16897161	2020-06-09	10893395	2021-01-12
Prior Application Status		Patented			Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
16897161	Continuation of	16714113	2019-12-13	11089450	2021-08-10
Prior Application Status		Abandoned			Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
16714113	Continuation of	15966965	2018-04-30		
Prior Application Status		Abandoned			Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
15966965	Continuation of	15011000	2016-01-29		
Prior Application Status		Abandoned			Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
15011000	Continuation of	14307166	2014-06-17		

Application Data Sheet 37 CFR 1.76		Attorney Docket Number		RMT-PT001.18	
		Application Number			
Title of Invention	SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE				

Prior Application Status		Patented		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14307166	Continuation of	13762347	2013-02-07	8918127	2014-12-23
Prior Application Status		Patented		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
13762347	Continuation of	12452883	2010-07-07	8401576	2013-03-19
Prior Application Status		Expired		Remove	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
12452883	a 371 of international	PCT/AU2008/001043	2008-07-18		
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.					Add

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)ⁱ the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Application Number		Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code ⁱ (if applicable)	Remove
2007903979		AU	2007-07-24		
Application Number		Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code ⁱ (if applicable)	Remove
2007906230		AU	2007-11-13		
Additional Foreign Priority Data may be generated within this form by selecting the Add button.					Add

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

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	RMT-PT001.18
		Application Number	
Title of Invention	SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE		

☐ 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	RMT-PT001.18
		Application Number	
Title of Invention	SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE		

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.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	RMT-PT001.18
		Application Number	
Title of Invention	SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE		

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	<input type="button" value="Remove"/>	
<p>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.</p>			
		<input type="button" value="Clear"/>	
☐ Assignee	Legal Representative under 35 U.S.C. 117		Joint Inventor
Person to whom the inventor is obligated to assign.		Person who shows sufficient proprietary interest	
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:			
<div style="border: 1px solid black; height: 20px; width: 100%;"></div>			
Name of the Deceased or Legally Incapacitated Inventor: <div style="border: 1px solid black; width: 400px; height: 20px;"></div>			
If the Applicant is an Organization check here. ☒			
Organization Name	REMBRANDT MESSAGING TECHNOLOGIES II, LP.		
Mailing Address Information For Applicant:			
Address 1	200 Barr Harbor Drive		
Address 2	Suite 400		
City	West Conshohocken	State/Province	PA
Country	US	Postal Code	19428
Phone Number		Fax Number	
Email Address			
Additional Applicant Data may be generated within this form by selecting the Add button. <input type="button" value="Add"/>			

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.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	RMT-PT001.18
		Application Number	
Title of Invention	SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE		

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.			
<div>Remove</div>			
If the Assignee or Non-Applicant Assignee is an Organization check here. ☒			
Organization Name	REMBRANDT MESSAGING TECHNOLOGIES II, LP.		
Mailing Address Information For Assignee including Non-Applicant Assignee:			
Address 1	200 Barr Harbor Drive		
Address 2	Suite 400		
City	West Conshohocken	State/Province	PA
Country i	US	Postal Code	19428
Phone Number		Fax Number	
Email Address			
Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button. <div>Add</div>			

Signature:

Remove

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

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

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

Signature	/Brian P. Gordaychik/		Date (YYYY-MM-DD)	2022-10-04	
First Name	Brian P.	Last Name	Gordaychik	Registration Number	62,179
Additional Signature may be generated within this form by selecting the Add button. <div>Add</div>					

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	RMT-PT001.18
		Application Number	
Title of Invention	SERVER THAT SENDS A RESPONSE WHEN A MOBILE PHONE HAS AN ACTIVE STATUS WITH A PACKET SWITCHED MESSAGE SERVICE		

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

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

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

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

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT APPLICATION** of:
REMBRANDT MESSAGING
TECHNOLOGIES II, LP.

Application No.: Not Yet Known

Confirmation No.: Not Yet Known

Filed: September 30, 2022

For: SERVER THAT SENDS A
RESPONSE WHEN A MOBILE PHONE HAS
AN ACTIVE STATUS WITH A PACKET
SWITCHED MESSAGE SERVICE

Group: Not Yet Known

Examiner: Not Yet Known

Our File: RMT-PT001.18

Date: October 4, 2022

PRELIMINARY REMARKS

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

The Applicant respectfully wishes to bring the following references, as cited on the attached SB-08 form, to the attention of the Examiner: "Jabber HTTP Polling" to Hildebrand et al. (hereinafter "Hildebrand"), "A study of Instant Messaging and Chat Protocols" to Debanjan Saha (hereinafter "Saha") and U.S. Patent No. 8,868,761 to Eftis et al. (hereinafter "Eftis").

Hildebrand describes a method for allowing Jabber instant messaging (IM) clients to access Jabber servers from behind existing firewalls. Requests, including instant message content, sent to a server are sent as HTTP POST requests. When the server has content to provide to an IM user, the content is provided responsive to an

Applicant: REMBRANDT MESSAGING TECHNOLOGIES II, LP.
Application No.: Not Yet Known

HTTP POST request. Client traffic, including HTTP POST requests are considered heartbeats which keep a session between the client and server alive. If a server-configurable period of time passes without a POST request sent by the client, the server ends the client session. Upon a session timeout, the server stores offline incoming messages until such a time when the messages can be delivered.

Certain techniques disclosed by Hildebrand, namely the use of a heartbeat messages for determining active status and the storing or queuing of incoming messages received when a recipient is inactive, are intended to be covered by the pending claims. Jabber, however, is not a “same messaging application” which displays “content of [an] SMS message and content of [a] packet switched message” as is recited by pending claim 1. Additionally, Jabber servers do not send “a second response to [a] sending mobile phone” “conditioned on the phone number of the second receiving mobile phone being identified as a subscriber of the PSMS” as is recited by pending claim 1.

Saha similarly describes the use of heartbeat keep alive-messages on page 20 among other pages. Such heartbeat keep-alive messages are described in the context of AIM, Yahoo and MSN IM clients which suffer from at least the same deficiencies as Jabber. Further described by Saha is the use of persistent connections which established between a client and various servers. The pending claims are agnostic to connection type and are therefore intended to cover persistent connections among other types of connections.

Lastly, Eftis discloses the use of a timer to determine if a user is no longer connected to a chat server. The use of a timer to determine whether a receiving mobile phone has an active status is intended to be within the scope of pending claim 1. Eftis, however, suffers from at least the same drawbacks as the references described above.

With regard to the claim element “active status,” a receiving mobile phone may be considered active based on whether communication between the receiving mobile phone and a server has occurred over a period of time, for example, via the use of a

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Application No.: Not Yet Known

heartbeat message. Another way to determine “active status” is, for example, via an undelivered message queue.

The Applicant respectfully requests consideration of the above-mentioned references. If the Examiner has any questions, the Applicant’s representative may be contacted via the phone number below.

Respectfully submitted,

REMRANDT MESSAGING
TECHNOLOGIES II, LP.

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