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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
13/056,277	01/27/2011	2413	2860	SMARB19.004APC	90	8

CONFIRMATION NO. 2403

CORRECTED FILING RECEIPT



OC000000063472492

20995
KNOBBE MARTENS OLSON & BEAR LLP
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

Date Mailed: 08/30/2013

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

Inventor(s)

Johan Emil Viktor Bjorsell, Vancouver, BC, CANADA;
Maksym Sobolyev, New Westminster, BC, CANADA;
Pentti Kalevi Huttunen, Vancouver, BC, CANADA;
Emil Malak, Vancouver, CANADA;

Applicant(s)

Johan Emil Viktor Bjorsell, Vancouver, BC, CANADA;
Maksym Sobolyev, New Westminster, BC, CANADA;
Pentti Kalevi Huttunen, Vancouver, BC, CANADA;
Emil Malak, Vancouver, CANADA;

Assignment For Published Patent Application

DIGIFONICA (INTERNATIONAL) LIMITED, Vancouver, CANADA

Power of Attorney: The patent practitioners associated with Customer Number 20995

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/CA2009/001062 07/28/2009
which claims benefit of 61/129,898 07/28/2008

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

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

If Required, Foreign Filing License Granted: 02/16/2011

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 13/056,277**

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

MOBILE GATEWAY

Preliminary Class

370

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

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

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

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

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

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

SelectUSA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.



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

NOTICE OF ALLOWANCE AND FEE(S) DUE

20995 7590 09/04/2013
KNOBBE MARTENS OLSON & BEAR LLP
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

EXAMINER

RAHMAN, M MOSTAZIR

ART UNIT

PAPER NUMBER

2413

DATE MAILED: 09/04/2013

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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13/056,277

01/27/2011

Johan Emil Viktor Bjorsell

SMARB19.004APC

2403

TITLE OF INVENTION: MOBILE GATEWAY

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$890	\$300	\$0	\$1190	12/04/2013

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

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

HOW TO REPLY TO THIS NOTICE:

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

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

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

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

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

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

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

PART B - FEE(S) TRANSMITTAL

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

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

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

20995 7590 09/04/2013
KNOBBE MARTENS OLSON & BEAR LLP
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

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

Certificate of Mailing or Transmission

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

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/056,277	01/27/2011	Johan Emil Viktor Bjorsell	SMARB19.004APC	2403

TITLE OF INVENTION: MOBILE GATEWAY

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$890	\$300	\$0	\$1190	12/04/2013

EXAMINER	ART UNIT	CLASS-SUBCLASS
RAHMAN, M MOSTAZIR	2413	370-328000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
 (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
 (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 has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

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

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

4a. The following fee(s) are submitted:

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

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

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

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

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see form 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: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/056,277	01/27/2011	Johan Emil Viktor Bjorsell	SMARB19.004APC	2403

20995	7590	09/04/2013
KNOBBE MARTENS OLSON & BEAR LLP		
2040 MAIN STREET		
FOURTEENTH FLOOR		
IRVINE, CA 92614		

EXAMINER	
RAHMAN, M MOSTAZIR	

ART UNIT	PAPER NUMBER
2413	

DATE MAILED: 09/04/2013

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

The Patent Term Adjustment to date is 372 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 372 day(s).

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 Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

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. 13/056,277	Applicant(s) BJORSELL ET AL.	
	Examiner M MOSTAZIR RAHMAN	Art Unit 2413	AIA (First Inventor to File) Status No

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

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

1. ☒ This communication is responsive to 08/22/2013.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

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

3. ☒ The allowed claim(s) is/are 1,2,4-13,15-23,25-35,37-41,43-45,47-54,56-60,62-64,66-73,75-79,81-83 and 85-90 renumbered into 1-78 respectively. 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 <u>01/14/2013, 05/31/2013</u>	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 _____.	

/M Mostazir Rahman/ Examiner AU 2413	/XAVIER S WONG/ Primary Examiner, Art Unit 2413
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DETAILED ACTION

Information Disclosure Statement

The information disclosure statements (IDS) submitted on 01/14/2013 and 05/31/2013 are in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Andrew Morrell (Reg # 63737) and Raimond Salenieks (Reg # 37924) Aug, 20th, August 2013.

Claim 1, line 7: replace "Internal" with -- Internet --;

Claim 12, line 6: replace "Internal" with -- Internet --;

Claim 22, line 10: replace "Internal" with -- Internet --;

Claim 32, line 8: replace "Internal" with -- Internet --.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to M MOSTAZIR RAHMAN whose telephone number is (571)272-4717. The examiner can normally be reached on M-F: 8:00AM-4:00PM EST.

Art Unit: 2413

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, UN C. CHO can be reached on 571-272-7919. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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

/M MOSTAZIR RAHMAN/
Examiner, Art Unit 2413

/Xavier S. Wong/
Primary Examiner, Art Unit 2413
24th August 2013

<i>Index of Claims</i> 	Application/Control No. 13056277	Applicant(s)/Patent Under Reexamination BJORSELL ET AL.
	Examiner M MOSTAZIR RAHMAN	Art Unit 2413

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

☐ Claims renumbered in the same order as presented by applicant				☐ CPA		☐ T.D.		☐ R.1.47	
CLAIM		DATE							
Final	Original	03/22/2013	08/23/2013						
	1	✓	=						
	2	✓	=						
	3	✓	-						
	4	✓	=						
	5	✓	=						
	6	✓	=						
	7	✓	=						
	8	✓	=						
	9	✓	=						
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	34	✓	=						
	35	✓	=						
	36	✓	-						

<i>Index of Claims</i> 	Application/Control No. 13056277	Applicant(s)/Patent Under Reexamination BJORSELL ET AL.
	Examiner M MOSTAZIR RAHMAN	Art Unit 2413

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

☐ Claims renumbered in the same order as presented by applicant				☐ CPA		☐ T.D.		☐ R.1.47	
CLAIM		DATE							
Final	Original	03/22/2013	08/23/2013						
	37	✓	=						
	38	✓	=						
	39	✓	=						
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	68	✓	=						
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	71	✓	=						
	72	✓	=						

<i>Index of Claims</i> 	Application/Control No. 13056277	Applicant(s)/Patent Under Reexamination BJORSELL ET AL.
	Examiner M MOSTAZIR RAHMAN	Art Unit 2413

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

☐ Claims renumbered in the same order as presented by applicant				☐ CPA		☐ T.D.		☐ R.1.47	
CLAIM		DATE							
Final	Original	03/22/2013	08/23/2013						
	73	✓	=						
	74	✓	-						
	75	✓	=						
	76	✓	=						
	77	✓	=						
	78	✓	=						
	79	✓	=						
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	81	✓	=						
	82	✓	=						
	83	✓	=						
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	85	✓	=						
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	87	✓	=						
	88	✓	=						
	89	✓	=						
	90	✓	=						

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Multiple sheets used when necessary)</i> SHEET 1 OF 1	Application No.	13/056,277
	Filing Date	January 27, 2011
	First Named Inventor	Johan Emil Viktor Bjorsell et al.
	Art Unit	~~2473~~ 2413
	Examiner	~~Rwang Bin Yoo~~ Rahman, M Mostazir
	Attorney Docket No.	SMARB19.004APC

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	7,055,174 B1	05-30-2006	Cope et al.	
	2	2003/0200311 A1	10-23-2003	Baum	
	3	2004/0240439 A1	12-02-2004	Castleberry et al.	
	4	2006/0072550 A1	04-06-2006	Davis et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
	5	WO 01/89145 A2	11-22-2001	Telefonaktiebolaget LM Ericsson		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	6	EPO, Supplementary European Search Report, dated November 2, 2012, Application No. 07855436.7, corresponds to U.S. Application No. 12/517,026, Attorney Docket No. SMARB19.002APC.	

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011113

Examiner Signature	/M MOSTAZIR RAHMAN/	Date Considered	08/22/2013
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

T¹ - Place a check mark in this area when an English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.R./

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	13/056,277
	Filing Date	January 27, 2011
	First Named Inventor	Björzell, Johan Emil Viktor
	Art Unit	2413
(Multiple sheets used when necessary)	Examiner	Rahman, Mostazir M.
SHEET 1 OF 1	Attorney Docket No.	SMARB19.004APC

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	6,798,767	9/29/2004	Alexander et al.	
	2	7,950,046	5/24/2011	Kropivny, Alexander	
	3	2006/0264200 A1	11/23/2006	Laiho et al.	
	4	2008/0056235 A1	3/6/2008	Albina et al.	
	5	2009/0292539 A1	11/26/2009	Jaroker, Jon	
	6	2009/0325558 A1	12/31/2009	Pridmore et al.	
	7	2010/0086119 A1	4/8/2010	De Luca et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹

15491498
052913

Examiner Signature	/M MOSTAZIR RAHMAN/	Date Considered	08/22/2013
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

T¹ - Place a check mark in this area when an English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.R./

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	14456	(370/321-322,330,334,345,347,348,442,440,468,477).cls. and (@ad<"20080730" @rlad<"20080730")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 13:29
L13	5	L3 and (roam\$5 same access\$5 same identif\$5 same location)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 13:38
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Issue Classification 	Application/Control No. 13056277	Applicant(s)/Patent Under Reexamination	
	Examiner M MOSTAZIR RAHMAN	Art Unit 2413	

CPC					
Symbol				Type	Version

CPC Combination Sets				
Symbol	Type	Set	Ranking	Version

/M MOSTAZIR RAHMAN/ (Assistant Examiner)	2013.08.23 (Date)	Total Claims Allowed: 78	
/XAVIER S WONG/ Primary Examiner, Art Unit 2413 (Primary Examiner)	2013.08.23 (Date)	O.G. Print Claim(s) 20+62Final	O.G. Print Figure 18A,B,C

Issue Classification 	Application/Control No. 13056277	Applicant(s)/Patent Under Reexamination	
	Examiner M MOSTAZIR RAHMAN	Art Unit 2413	

US ORIGINAL CLASSIFICATION						INTERNATIONAL CLASSIFICATION														
CLASS		SUBCLASS				CLAIMED					NON-CLAIMED									
370		328				H	O	4	W	4 / 00 (2009.01.01)										
CROSS REFERENCE(S)																				
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)																			
455	432.1																			

/M MOSTAZIR RAHMAN/ (Assistant Examiner)		2013.08.23 (Date)	Total Claims Allowed: 78	
/XAVIER S WONG/ Primary Examiner, Art Unit 2413 (Primary Examiner)		2013.08.23 (Date)	O.G. Print Claim(s) 20+62Final	O.G. Print Figure 18A,B,C

Issue Classification 	Application/Control No. 13056277	Applicant(s)/Patent Under Reexamination	
	Examiner M MOSTAZIR RAHMAN	Art Unit 2413	

☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47															
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-	14	27	30	-	46	54	62	68	78						
13	15	28	31	42	47	55	63	69	79						
14	16	29	32	43	48	56	64	-	80						

/M MOSTAZIR RAHMAN/ (Assistant Examiner)		2013.08.23 (Date)	Total Claims Allowed: 78	
/XAVIER S WONG/ Primary Examiner, Art Unit 2413 (Primary Examiner)		2013.08.23 (Date)	O.G. Print Claim(s) 20+62Final	O.G. Print Figure 18A,B,C

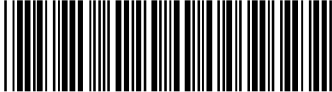
EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L8	16747	(370/328.ccls. 455/432.1.ccls.) AND (@rlad < "20110127" @ad < "20110127")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/08/24 18:29
L9	9	L8 AND (access adj code) SAME (fee charge bill)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/08/24 18:30
L10	6	L8 AND (access adj code) SAME (fee charge bill) SAME (request\$3 number)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/08/24 18:31

EAST Search History (Interference)

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Search Notes 	Application/Control No. 13056277	Applicant(s)/Patent Under Reexamination BJORSELL ET AL.
	Examiner M MOSTAZIR RAHMAN	Art Unit 2413

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
370	310-338	03/13/2013	MR

SEARCH NOTES		
Search Notes	Date	Examiner
EAST Search: 1)keyword search in USPAT, US-PGPUB, DERWENT, EPO, JPO, IBM_TDB; 2) class/subclasses, inventors, assignee	03/13/2013	MR
Inventor and assignee search in eDAN and PALM.	03/13/2013	MR
Google Patent Search	03/13/2013	MR
IP.COM Search	03/13/2013	MR
Consulted with primary examiner, Xavier Wong.	03/13/2013	MR
Consulted with primary examiner, Xavier Wong.	08/23/2013	MR
Updated search	08/23/2013	MR

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
370	321-322,330, 334,345,347,348,442,440,468,477 (Keyword limited)	08/23/2013	MR
455	432.1	08/23/2013	MR

/ M MOSTAZIR RAHMAN/ Examiner.Art Unit 2413	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Multiple sheets used when necessary)</i>	Application No.	13/056,277
	Filing Date	January 27, 2011
	First Named Inventor	Johan Emil Viktor Bjorsell, et al.
	Art Unit	2413
SHEET 1 OF 1		Attorney Docket No. SMARB19.004APC

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	4,992,971	02-12-1991	Hayashi, Kazuhisa	
	2	5,633,913	05-27-1997	Talarmo, Reino	
	3	6,078,647	06-20-2000	D'Eletto, Robert A.	
	4	2007/0127676 A1	06-07-2007	Khadri, Seetharaman	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹

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Examiner Signature	Date Considered
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

T¹ - Place a check mark in this area when an English language Translation is attached.

Electronic Patent Application Fee Transmittal				
Application Number:		13056277		
Filing Date:		27-Jan-2011		
Title of Invention:		MOBILE GATEWAY		
First Named Inventor/Applicant Name:		Johan Emil Viktor Bjorsell		
Filer:		John M Carson/Norman Green		
Attorney Docket Number:		SMARB19.004APC		
Filed as Small Entity				
U.S. National Stage under 35 USC 371 Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Submission- Information Disclosure Stmt	2806	1	90	90
Total in USD (\$)				90

Electronic Acknowledgement Receipt

EFS ID:	16854995
Application Number:	13056277
International Application Number:	
Confirmation Number:	2403
Title of Invention:	MOBILE GATEWAY
First Named Inventor/Applicant Name:	Johan Emil Viktor Bjorsell
Customer Number:	20995
Filer:	John M Carson/Norman Green
Filer Authorized By:	John M Carson
Attorney Docket Number:	SMARB19.004APC
Receipt Date:	13-SEP-2013
Filing Date:	27-JAN-2011
Time Stamp:	19:45:36
Application Type:	U.S. National Stage under 35 USC 371

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$ 90
RAM confirmation Number	6733
Deposit Account	111410
Authorized User	KNOBBE MARTENS OLSON AND BEAR
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. 1.492 (National application filing, search, and examination fees) Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)	

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		IDS_1_SMARB19_004APC_09_13_2013.pdf	92420 934e782279d1172d4237fab93506a8caf6c693bd0	yes	3
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Transmittal Letter		1	2	
	Information Disclosure Statement (IDS) Form (SB08)		3	3	
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30604 7a62e2257bc8c069e202f30009cbd70a911cb97e	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			123024		
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. <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. <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. <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.					

INFORMATION DISCLOSURE STATEMENT

Inventor	:	Johan Emil Viktor Bjorsell, et al.
App. No.	:	13/056,277
Filed	:	January 27, 2011
For	:	MOBILE GATEWAY
Examiner	:	Rahman, Mostazir M.
Art Unit	:	2413
Conf. No.	:	2403

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

References and Listing

Submitted herewith in the above-identified application is an Information Disclosure Statement listing references for consideration. Copies of any listed foreign and non-patent literature references are being submitted.

Timing of Disclosure

This Information Disclosure Statement is being filed after the mailing date of a final action or after the mailing date of a Notice of Allowance.

CERTIFICATION UNDER 37 CFR 1.97(e)(2)

I hereby certify that no item of information contained in this Statement was cited in a communication from a foreign Patent Office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing of this Information Disclosure Statement.

Application No.: 13/056,277
Filing Date: January 27, 2011

This Statement is accompanied by the fee set forth in 37 CFR 1.17(p). The Commissioner is authorized to charge any additional fees which may be required or to credit any overpayment to Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: _____

9/13/13

By: _____

John M. Carson
Registration No. 34,303
Attorney of Record
Customer No. 20995
(858) 707-4000

IDS
16217447
091313

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Multiple sheets used when necessary)</i>	Application No.	13/056,277
	Filing Date	January 27, 2011
	First Named Inventor	Johan Emil Viktor Bjorsell, et al.
	Art Unit	2413
SHEET 1 OF 1		Examiner
		Rahman, Mostazir M.
		Attorney Docket No.
		SMARB19.004APC

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	1	Wikipedia, "International mobile subscriber identity (IMSI)," http://en.wikipedia.org/wiki/IMSI , 7-16-2013.	All pages
	2	Wikipedia, "Roaming," http://en.wikipedia.org/wiki/Roaming , 7-16-2013.	All pages

16221977
091313

Examiner Signature	Date Considered
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

T¹ - Place a check mark in this area when an English language Translation is attached.

International mobile subscriber identity

From Wikipedia, the free encyclopedia
(Redirected from IMSI)

The **International mobile Subscriber Identity** or **IMSI** /ˈɪmzi ˈ/ is used to identify the user of a cellular network and is a unique identification associated with all cellular networks. It is stored as a 64 bit field and is sent by the phone to the network. It is also used for acquiring other details of the mobile in the home location register (HLR) or as locally copied in the visitor location register. To prevent eavesdroppers identifying and tracking the subscriber on the radio interface, the IMSI is sent as rarely as possible and a randomly generated TMSI is sent instead.

The IMSI is used in *any* mobile network that interconnects with other networks. For GSM, UMTS and LTE network, this number is provisioned in the SIM card and for CDMA2000 in the phone directly or in the R-UIM card (the CDMA2000 analogue to a SIM card for GSM).

An IMSI is usually presented as a 15 digit long number, but can be shorter. For example MTN South Africa's old IMSIs that are still being used in the market are shown as 14 digits. The first 3 digits are the mobile country code (MCC), which are followed by the mobile network code (MNC), either 2 digits (European standard) or 3 digits (North American standard). The length of the MNC depends on the value of the MCC.^[1] The remaining digits are the mobile subscription identification number (MSIN) within the network's customer base.

The IMSI conforms to the ITU E.212 numbering standard.

Contents

- 1 Examples of IMSI numeric presentation
- 2 IMSI analysis
 - 2.1 Example of outside World Area 1
 - 2.2 Example inside World Area 1 (North America)
- 3 Home Network Identity
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Examples of IMSI numeric presentation

IMSI:404685505601234

MCC	404-405	India
MNC	68	MTNL Delhi
MSIN	5505601234	

IMSI: 310150123456789

MCC	310	USA
MNC	150	AT&T Mobility

MSIN	123456789
-------------	-----------

IMSI:**4600013511078690**

MCC	460	CHINA
MNC	00	CMCC
MSIN	13511078690	

IMSI analysis

IMSI analysis is the process of examining a subscriber's IMSI to identify the network the IMSI belongs to, and whether subscribers from that network may use a given network (if they are not local subscribers, this requires a roaming agreement).

If the subscriber is not from the provider's network, the IMSI must be converted to a Global Title, which can then be used for accessing the subscriber's data in the remote HLR. This is mainly important for international mobile roaming. Outside North America the IMSI is converted to the Mobile Global Title (MGT) format, standard E.214, which is similar to but different from E.164 number (more or less a telephone number). E.214 provides a method to convert the IMSI into a number that can be used for routing to international SS7 switches. E.214 can be interpreted as implying that there are two separate stages of conversion; first determine the MCC and convert to E.164 country calling code then determine MNC and convert to national network code for the carrier's network. But this process is not used in practice and the GSM numbering authority has clearly stated that a one stage process is used [1].

In North America, the IMSI is directly converted to an E.212 number with no modification of its value. This can be routed directly on American SS7 networks.

After this conversion, SCCP is used to send the message to its final destination. For details, see Global Title Translation.

Example of outside World Area 1

This example shows the actual practice which is not clearly described in the standards.

Translation rule:

- match numbers starting 28401 (*Bulgaria mobile country code + MobilTel MNC*)
- identify this as belonging to MobilTel-Bulgaria network
- remove first five digits (*length of MCC+MNC*)
- prepend 35988 (*Bulgaria E.164 country code + a Bulgarian local prefix reaching MobilTel's network*)
- mark the number as having E.214 numbering plan.
- route message on Global Title across SCCP network

so we get 284011234567890 becomes 359881234567890 numbering plan E.214.

Translation rule:

- match numbers starting 310150 (*America first MCC + Cingular MNC*)
- remove first six digits (*length of MCC+MNC*)
- prepend 14054 (*North America E.164 country code + Network Code for Cingular*)^[citation needed]
- mark the number as having E.214 numbering plan.
- route message on **Global Title** across SCCP network

so we get 310150123456789 becomes 14054123456789 numbering plan E.214.

The result is an E.214 compliant Global Title, (Numbering Plan Indicator is set to 7 in the SCCP message). This number can now be sent to Global Title Analysis. by onmobile

Example inside World Area 1 (North America)

Translation rule:

- match numbers starting 28401 (*Bulgaria MCC + MobilTel MNC*)
- identify this as belonging to MobilTel-Bulgaria network
- do not alter the digits of the number
- mark the number as having E.212 numbering plan.
- route message on Global Title across SCCP network

so we get 284011234567890 becomes 284011234567890 numbering plan E.212.

This number has to be converted on the ANSI to ITU boundary. For more details please see Global Title Translation.

Home Network Identity

The Home Network Identity (HNI) is the combination of the MCC and the MNC. This is the number which fully identifies a subscriber's home network. This combination is also known as the PLMN.

See also

- IMEI
- MEID
- Electronic Serial Number
- MSISDN
- IMSI-catcher

References

- [^] 3GPP specification 23.003

External links

- "Cellular Networking Perspectives" article in Wireless Telecom Magazine
- IMSI oversight council responsible for allocating IMSI ranges in the USA
- IMSI Lookup Utility
- Explanation of GSM numbering plans
- IMSI formats

Retrieved from "http://en.wikipedia.org/w/index.php?title=International_mobile_subscriber_identity&oldid=563807852"

Categories: Universal identifiers | 3rd Generation Partnership Project standards

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Roaming

From Wikipedia, the free encyclopedia

In wireless telecommunications, **roaming** is a general term referring to the extension of connectivity service in a location that is different from the home location where the service was registered. Roaming ensures that the wireless device is kept connected to the network, without losing the connection. The term "roaming" originates from the GSM (Global System for Mobile Communications) sphere^[*citation needed*], the term "roaming" can also be applied to the CDMA technology. Traditional GSM Roaming is defined (cf. GSM Association Permanent Reference Document AA.39) as the ability for a cellular customer to automatically make and receive voice calls, send and receive data, or access other services, including home data services, when travelling outside the geographical coverage area of the home network, by means of using a visited network. This can be done by using a communication terminal or else just by using the subscriber identity in the visited network. Roaming is technically supported by mobility management, authentication, authorization and billing procedures.

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- 1 Roaming in general
- 2 Home and visited networks
- 3 Roaming agreements
- 4 The roaming process
 - 4.1 Location Update
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- 5 Tariffs
 - 5.1 Roaming between European countries
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- 8 References
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Roaming in general

Roaming is divided into "SIM-based roaming" and "Username/password-based roaming", whereby the technical term "roaming" also encompasses roaming between networks of different network standards, e.g. WLAN (Wireless Local Area Network) or GSM. Device equipment and functionality, such as SIM card capability, antenna and network interfaces, and power management, determine the access possibilities.

Using the example of WLAN/GSM roaming, the following scenarios can be differentiated (cf. GSM Association Permanent Reference Document AA.39):

- **SIM-based (roaming):** GSM subscriber roams onto a Public WLAN operated by:
 - their GSM Operator, or
 - another Operator who has a roaming agreement with their GSM Operator.
- **Username/password based roaming:** GSM subscriber roams onto a Public WLAN operated by:
 - their GSM Operator, or

- another Operator who has a roaming agreement with their GSM Operator.

Although these user/network scenarios focus on roaming from GSM Network Operator's network(s), clearly roaming can be bi-directional, i.e. from Public WLAN Operators to GSM Networks. Traditional roaming in networks of the same standard, e.g. from a WLAN to a WLAN or a GSM network to a GSM network, has already been described above and is likewise defined by the foreignness of the network based on the type of subscriber entry in the home subscriber register. In the case of session continuity, seamless access to these services across different access types is provided.

Home and visited networks

The differentiation between **home network** and **visited network** is technically given by the type of subscriber entry in a specific network. If a subscriber has no entry in the home subscriber register of the network (e.g. Home Location Register (HLR) in GSM networks or local customer database in WLANs), the required subscriber data must first be requested by the visited network e.g. from the subscriber's home network in order that the subscriber can be authenticated and any authorization for using the network services can be checked. The "visiting" subscriber acquires an entry in a user database of the visited network (e.g. Visited Location Register (VLR)) and the authorized network services are enabled. For the roaming procedure in practice, the possibility of assigning the subscriber data is always indispensable in order that authentication, authorization and billing of the subscriber can be performed in the corresponding network. Thus, the term roaming is not linked to a specific network standard, but rather to the type of subscriber entry in the home subscriber register of the mobile radio network. If a subscriber can use his personal service profile, which he uses in the home network, in the visited network as well, this is also referred to as Global Service Roaming Capability.

Roaming agreements

The legal roaming business aspects negotiated between the roaming partners for billing of the services obtained are usually stipulated in so called **roaming agreements**. The GSM Association broadly outlines the content of such roaming agreements in standardized form for its members. For the legal aspects of authentication, authorization and billing of the visiting subscriber, the roaming agreements typically can comprise minimal safety standards, as e.g. location update procedures or financial security or warranty procedures.

The roaming process

The details of the roaming process differ among types of cellular networks, but in general, the process resembles the following:

Location Update

Location updating is the mechanism that is used to determine the location of an MS in the idle state (Connected to the network, but with no active call).

1. When the mobile device is turned on or is transferred via a handover to the network, this new "visited" network sees the device, notices that it is not registered with its own system, and attempts to identify its home network. If there is no roaming agreement between the two networks,

- maintenance of service is impossible, and service is denied by the visited network.
2. The visited network contacts the home network and requests service information (including whether or not the mobile should be allowed to roam) about the roaming device using the IMSI number.
 3. If successful, the visited network begins to maintain a temporary subscriber record for the device. Likewise, the home network updates its information to indicate that the cell phone is on the host network so that any information sent to that device can be correctly routed.

Mobile Terminated Call

It occurs for example when a call is made to a roaming cell phone.

Signaling process:

1. The calling subscriber (from within the public telephone network) dials the mobile subscriber's MSISDN (the telephone number) of the roaming cell phone.
2. Based on the information contained in the MSISDN (national destination code and the country code), the call is routed to the mobile network gateway MSC (GMSC). It's done with an ISUP IAM message.
3. To locate the MS, the GMSC sends to the HLR a MAP SRI (Send Routing Information) message. The MAP SRI message contains the MSISDN number and with this MSISDN the HLR will obtain the IMSI.
4. Because of past location updates, the HLR already knows the VLR that currently serves the subscriber. The HLR will send to the VLR a MAP PRN (Provide Roaming Number) message to obtain the MSRN of the roaming cell phone. Like that the HLR will be able to route the call to the correct MSC.
5. With the IMSI contained in the MAP PRN message, the VLR assigns a temporary number known as the mobile station roaming number (MSRN) to the roaming cell phone. This MSRN number is sent back to the HLR in a MAP RIA (Routing Information Acknowledgement) message.
6. Now with the MSRN number, the GMSC knows how to route the call to reach the roaming cell phone. Then, the call is made using ISUP (or TUP) signaling between the GMSC and the visited MSC. The GMSC will generate an ISUP IAM message with the MSRN as the called party number (and NOT the MSISDN as the called party number).
7. When the MSC of the visitor network receives the IAM, it recognizes the MSRN and knows the IMSI for which the MSRN was allocated. The MSC then returns the MSRN to the pool for future use on another call. Afterwards, the MSC sends to the VLR a MAP SI (Send Information) message to request information like the called MS's capabilities, services subscribed to, and so on. If the called MS is authorized and capable of taking the call, the VLR sends a MAP CC (Complete Call) message back to the MSC.

In order that a subscriber is able to "latch" on to a visited network, a roaming agreement needs to be in place between the visited network and the home network. This agreement is established after a series of testing processes called **IREG** (International Roaming Expert Group) and **TADIG** (Transferred Account Data Interchange Group). While the IREG testing is to test the proper functioning of the established communication links, the TADIG testing is to check the billability of the calls.

The usage by a subscriber in a visited network is captured in a file called the **TAP** (Transferred Account Procedure) for GSM / **CIBER** (Cellular Intercarrier Billing Exchange Record) for CDMA, AMPS etc... file and is transferred to the home network. A TAP/CIBER file contains details of the calls made by the subscriber viz. location, calling party, called party, time of call and duration, etc. The TAP/CIBER files

are rated as per the tariffs charged by the visited operator. The home operator then bills these calls to its subscribers and may charge a mark-up/tax applicable locally. As recently many carriers launched own retail rate plans and bundles for Roaming, TAP records are generally used for wholesale Inter-Operators settlements only.

Tariffs

Roaming fees are traditionally charged on a per-minute basis and they are typically determined by the service provider's pricing plan. Several carriers in both the United States and India have eliminated these fees in their nationwide pricing plans. All of the major carriers now offer pricing plans that allow consumers to purchase nationwide roaming-free minutes. However, carriers define "nationwide" in different ways. For example, some carriers define "nationwide" as anywhere in the U.S., whereas others define it as anywhere within the carrier's network.

An operator intending to provide roaming services to visitors publishes the tariffs that would be charged in his network at least sixty days prior to its implementation under normal situations. The visited operator tariffs may include tax, discounts etc. and would be based on duration in case of voice calls. For data calls, the charging may be based on the data volume sent and received. Some operators also charge a separate fee for call setup i.e. for the establishment of a call. This charge is called a **flagfall** charge.

Roaming between European countries

Main article: European Commission roaming regulations

In the European Union, the Regulation on roaming charges has been in force since 30 June 2007, forcing service providers to lower their roaming fees across the 28-member bloc. It later also included EEA member states. The regulation sets a price cap of €0.39 (€0.49 in 2007, €0.46 in 2008, €0.43 in 2009) per minute for outgoing calls, and €0.15 (€0.24 in 2007, €0.22 in 2008, €0.19 in 2009) per minute for incoming calls - excluding tax.^[1] If the Commission is satisfied that competition will continue to keep prices at this level, or lower, the regulation will expire in mid-2012. Since mid-2009 there is also an €0.11 (excluding tax) maximum price for SMS text message included into this regulation.

On 11 June 2013, the European Commission voted to end mobile roaming charges. It is expected to come into force on 1 July 2014.^[2]

Roaming between other countries

Countries that do not share a supra-national authority have also begun examining the provision of international roaming services. In April 2011, Singapore and Malaysia announced that they had agreed with operators to reduce voice and SMS rates for roaming between their two countries.^[3] In August 2012, Australia and New Zealand published a draft report proposing coordinated action on roaming services.^[4] This was followed by a final report in February 2013 recommending that the two countries equip their telecommunications regulators with an extended palette of regulatory remedies, when they investigate international roaming.^[5] The Australian and New Zealand Prime Ministers subsequently announced that they would introduce legislation to effect the recommendations of the final report.^[6]

Additional notions and types of roaming

- Regional roaming:

This type of roaming refers to the ability of moving from one region to another region inside national coverage of the mobile operator. Initially, operators may have provide commercial offers restricted to a region (sometimes to a town). Due to the success of GSM and the decrease in cost, regional roaming is rarely offered to clients except in nations with wide geographic areas like the USA, Russia, India, etc., in which there are a number of regional operators.

- National roaming:

This type of roaming refers to the ability to move from one mobile operator to another in the same country. For example, a subscriber of T-Mobile USA who is allowed to roam on AT&T Mobility's service would have national roaming rights. For commercial and license reasons, this type of roaming is not allowed unless under very specific circumstances and under regulatory scrutiny. This has often taken place when a new company is assigned a mobile telephony license, to create a more competitive market by allowing the new entrant to offer coverage comparable to that of established operators (by requiring the existing operators to allow roaming while the new entrant has time to build up its own network). In a country like India, where the number of regional operators is high and the country is divided into **circles**, this type of roaming is common^{*[citation needed]*}. Following the merger of Orange UK and T-Mobile UK on 1 July 2010, national roaming has been possible between these two networks since 5 October 2010 at no additional cost pending the technical merging of the two networks.

- International roaming:

This type of roaming refers to the ability to move to a foreign service provider's network. It is, consequently, of particular interest to international tourists and business travellers.

Broadly speaking, international roaming is easiest using the GSM standard, as it is used by over 80% of the world's mobile operators. However, even then, there may be problems, since countries have allocated different frequency bands for GSM communications (there are two groups of countries: most GSM countries use 900/1800 MHz, but the United States and some other countries in the Americas have allocated 850/1900 MHz): for a phone to work in a country with a different frequency allocation, it must support one or both of that country's frequencies, and thus be tri or quad band.

- Inter-standards roaming:

Inter Standard Roaming refers to roaming between two standards. This term is now widely used in mobile communications where especially CDMA customers want to use their phone in areas where there is no CDMA network or there is no roaming agreement in place to support roaming on the used standard. In Europe there is hardly any CDMA network. Most CDMA customers originate from the Americas or the Far East. In order to enable them to roam in Europe Inter Standard Roaming is the solution. The CDMA customers arriving in Europe can register on the available GSM networks.

Since mobile communication technologies have evolved independently across continents, there is significant challenge in achieving seamless roaming across these technologies. Typically, these technologies were implemented in accordance with technological standards laid down by different industry bodies and hence the name.

A number of the standards making industry bodies have come together to define and achieve interoperability between the technologies as a means to achieve inter-standards roaming. This is currently an ongoing effort.

- Mobile Signature Roaming:

Mobile signature Roaming allows an access point to get a Mobile Signature from any end-user, even if the AP and the end-user have not contracted a commercial relationship with the same MSSP. Otherwise, an AP would have to build commercial terms with as many MSSPs as possible, and this might be a cost burden. This means that a Mobile Signature transaction issued by an Application Provider should be able to reach the appropriate MSSP, and this should be transparent for the AP(reference).

- Inter MSC Roaming^[7]

Network elements belonging to the same Operator but located in different areas (a typical situation where assignment of local licenses is a common practice)pair depends on the switch and its location.Hence, software changes and a greater processing capability are required, but furthermore this situation could introduce the fairly new concept of roaming on a per MSC basis instead of per Operator basis. But this is actually a burden, so it is avoided.

- Permanent Roaming:

This type of roaming refers to customers who purchase service with a mobile phone operator intending to permanently roaming, or be off-network. This becomes possible because of the increasing popularity and availability of "free roaming" service plan, where there is no cost difference between on and off network usage. The benefits of getting service from a mobile phone operator that isn't local to you can include cheaper rates, or features and phones that aren't available on your local mobile phone operator, or to get to a particular mobile phone operator's network to get free calls to other customers of that mobile phone operator through a free unlimited mobile to mobile feature. To accidentally become a permanent roaming customer does not usually happen. Most mobile phone operators will require the customer's living or billing address be inside their coverage area or less often inside the government issued radio frequency license of the mobile phone operator, this is usually determined by a computer estimate because it is impossible to guarantee coverage. If a potential customer's address is not within the requirements of that mobile phone operator, they will be denied service. In order to permanently roam customers may use a false address and online billing, or a relative or friends address which is in the required area, and a 3rd party billing option.

Most mobile phone operator discourage or prohibit permanent roaming since they must pay per minute rates to the network operator their customer is roaming onto to,^[8] while they can not pass that extra cost onto customers ("free roaming").

- Trombone roaming:

Roaming calls within a local tariff area, when at least one of the phones belong outside that area. Usually implemented with *trombone routing*^[9] also known as *tromboning*^[10]

The routing of *trombone roaming*.

See also

- IEEE 802.11
 - IEEE 802.11f
 - IEEE 802.11r
- Home Location Register
- Handoff
- Mobile IP
- Mobile phone
- Mobile phones on aircraft
- Mobility management
- Regulation on roaming charges in the European Union
- Roaming sim
- GSM frequency bands
- UMTS frequency bands
- Vertical handoff
- Visitor Location Register
- Starhome

References

1. ^ "New caps on roaming charges in place for August", 8 June 2007
2. ^ Williams, Christopher (2013-06-13). "EU to end mobile roaming charges next year". The Telegraph. Retrieved 2013-06-30.
3. ^ [1]
4. ^ "Trans-Tasman Roaming - Draft Report", Ministry of Business, Innovation and Employment. Retrieved 2013-06-30.
5. ^ [www.mcd.govt.nz/ssectors-industries/tcchnology-communication/communications/mobile-phones/trans-tasman-roaming]
6. ^ [www.pm.gov.au/press-office/joint-statement-prime-ministers-key-and-gillard-february-2013]
7. ^ "Signalling interoperability as a key enabler to GSM/PCS roaming with North America". IEEE Xplore. doi:10.1109/VETEC.1998.686490. Retrieved 2013-06-30.
8. ^ *Roaming-Included Plans: Sprint may terminate service if (1) more than 800 minutes, (2) a majority of minutes or (3) a majority of data kilobytes in a given month are used while roaming. [2] Termination By Us We may limit, interrupt, terminate or refuse to provide a Service for the following reasons, or for any other good cause: (f) if the majority of your Service is used roaming on a network not owned or operated by Alltel. [3] OFF-NET USAGE If your minutes of use (including unlimited services) on other carrier networks ("off-net usage") during any two consecutive months exceed your off-net usage allowance, AT&T may, at its option terminate your service, deny your continued use of other carriers' coverage or change your plan to one imposing usage charges for off-net usage. Your off-net usage allowance is equal to the lesser of 750 minutes or 40% of the Anytime Minutes included with your plan. AT&T will provide notice that it intends to take any of the above actions, and you may terminate the agreement. [4] Zeman, Eric (Nov 20, 2007). "T-Mobile Dumps Customers Who Roam Too Much". InformationWeek. Retrieved 2008-03-15. b. Roaming Services. Roaming services typically refers to coverage on another carrier's network that we make available to you based on our agreements with other carriers. If your minutes of use for roaming services during any two consecutive months exceeds a reasonable roaming usage allowance or if a majority of minutes in a given month are used while roaming, we may, at our sole option, terminate your Services, deny your continued use of roaming services, or change your plan to one imposing usage charges for roaming services. Your roaming usage allowance is equal to the lesser of (i) 300 minutes or (ii) 30% of the anytime minutes included in your plan. In the event that we intend to take any of the above actions, we will provide you with prior notice, and you may choose to terminate your Customer Agreement without incurring any additional fees for termination. [5] Additional Terms Customers must have a mailing address and live in Centennial's Primary Service Area. Centennial Wireless may discontinue your service if, over two consecutive billing cycle, any of the following apply: 40% of airtime minutes or 750 minutes of usage are incurred outside Centennial-owned*

systems; there is excessive use of free minutes from included calling features.... [6] [7]).

9. ^ PHS MoU Group: Note - Trombone Rooting
10. ^ Competition Commission: Telephone number portability: A report on a reference under section 13 of the Telecommunications Act 1984

Standardisation Organizations

- ETSI website, European Telecommunications Standards Institute.
- Direct access to ETSI standards publications.
- GSM website, Global System for Mobile communications by the GSM Association (GSMA)

External links

- Roaming - Using my mobile abroad: are prices dropping ? - *European Commission*
- Intra MSC Roaming
- Mobile Europe describes how the roaming industry will cope with pending EU legislation and the arrival of mobile VoIP
- GSM operators and their roaming agreements - *Index of GSM operators in a country, and their roaming partners indexed by country. Maintained by GSM Alliance*

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Categories: GSM standard | Mobile technology

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INFORMATION DISCLOSURE STATEMENT

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References and Listing

Submitted herewith in the above-identified application is an Information Disclosure Statement listing references for consideration. Copies of any listed foreign and non-patent literature references are being submitted.

Timing of Disclosure

This Information Disclosure Statement is being filed after the mailing date of a final action or after the mailing date of a Notice of Allowance. Please place these references in the file in accordance with 37 CFR 1.97(i).

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

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13/056,277	01/27/2011	Johan Emil Viktor Bjorsell	SMARB19.004APC	2403

TITLE OF INVENTION: MOBILE GATEWAY

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$890	\$300	\$0	\$1190	12/04/2013

EXAMINER	ART UNIT	CLASS-SUBCLASS
RAHMAN, M MOSTAZIR	2413	370-328000

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

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

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (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 **Knobbe, Martens, Olson & Bear LLP**

2 _____

3 _____

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

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

(A) NAME OF ASSIGNEE

Digifonica (International) Limited

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

Vancouver, Canada

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

4a. The following fee(s) are submitted:

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

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

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number **11-1410** (enclose an extra copy of this form).

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

- ☐ Applicant certifying micro entity status. See 37 CFR 1.29
- ☐ Applicant asserting small entity status. See 37 CFR 1.27
- ☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see form 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: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____

Date 9/24/13

Typed or printed name John M. Carson

Registration No. 34,303

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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

Electronic Patent Application Fee Transmittal				
Application Number:		13056277		
Filing Date:		27-Jan-2011		
Title of Invention:		MOBILE GATEWAY		
First Named Inventor/Applicant Name:		Johan Emil Viktor Bjorsell		
Filer:		John M Carson/Deborah LaGuardia		
Attorney Docket Number:		SMARB19.004APC		
Filed as Small Entity				
U.S. National Stage under 35 USC 371 Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Utility Appl Issue Fee	2501	1	890	890
Publ. Fee- Early, Voluntary, or Normal	1504	1	300	300

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				1190

Electronic Acknowledgement Receipt

EFS ID:	16944708
Application Number:	13056277
International Application Number:	
Confirmation Number:	2403
Title of Invention:	MOBILE GATEWAY
First Named Inventor/Applicant Name:	Johan Emil Viktor Bjorsell
Customer Number:	20995
Filer:	John M Carson/Heide Young
Filer Authorized By:	John M Carson
Attorney Docket Number:	SMARB19.004APC
Receipt Date:	24-SEP-2013
Filing Date:	27-JAN-2011
Time Stamp:	19:56:09
Application Type:	U.S. National Stage under 35 USC 371

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$ 1190
RAM confirmation Number	6699
Deposit Account	111410
Authorized User	KNOBBE MARTENS OLSON AND BEAR
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. 1.492 (National application filing, search, and examination fees) Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)	

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)	SMARB19004APCissuefeetransmittal.pdf	122955 9cc3fc98018d0931a34927cc2d2a45998100cc81	no	2
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	32124 b09fee927e5fa1088ba5000e2a244856658f5bf	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			155079		
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. <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. <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. <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.					



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/056,277	01/27/2011	Johan Emil Viktor Bjorsell	SMARB19.004APC	2403

7590 10/04/2013
KNOBBE MARTENS OLSON & BEAR LLP
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

EXAMINER	
RAHMAN, M MOSTAZIR	

ART UNIT	PAPER NUMBER
2413	

NOTIFICATION DATE	DELIVERY MODE
10/04/2013	ELECTRONIC

NOTICE OF NON-COMPLIANT INFORMATION DISCLOSURE STATEMENT

An Information Disclosure Statement (IDS) filed 9-13-13 ^(listing 2 references) in the above-identified application fails to meet the requirements of 37 CFR 1.97(d) for the reason(s) specified below. Accordingly, the IDS will be placed in the file, but the information referred to therein has not been considered.

The IDS is not compliant with 37 CFR 1.97(d) because:

- ☒ The IDS lacks a statement as specified in 37 CFR 1.97(e).
- ☐ The IDS lacks the fee set forth in 37 CFR 1.17(p).
- ☐ The IDS was filed after the issue fee was paid. Applicant may wish to consider filing a petition to withdraw the application from issue under 37 CFR 1.313(c) to have the IDS considered. See MPEP 1308.

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

<i>Index of Claims</i> 	Application/Control No. 13056277	Applicant(s)/Patent Under Reexamination
	Examiner M MOSTAZIR RAHMAN	Art Unit 2413

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

☐ Claims renumbered in the same order as presented by applicant						☐ CPA		☐ T.D.		☐ R.1.47	
CLAIM		DATE									
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	36	✓	-	-							

<i>Index of Claims</i> 	Application/Control No. 13056277	Applicant(s)/Patent Under Reexamination
	Examiner M MOSTAZIR RAHMAN	Art Unit 2413

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

☐ Claims renumbered in the same order as presented by applicant						☐ CPA		☐ T.D.		☐ R.1.47	
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	72	✓	=	=							

<i>Index of Claims</i> 	Application/Control No. 13056277	Applicant(s)/Patent Under Reexamination
	Examiner M MOSTAZIR RAHMAN	Art Unit 2413

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

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47									
CLAIM		DATE							
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	89	✓	=	=					
	90	✓	=	=					

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	13/056,277	
	Filing Date	January 27, 2011	
	First Named Inventor	Johan Emil Viktor Bjorsell, et al.	
	Art Unit	2413	
(Multiple sheets used when necessary)		Examiner	Rahman, Mostazir M.
SHEET 1 OF 1		Attorney Docket No.	SMARB19.004APC

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	4,992,971	02-12-1991	Hayashi, Kazuhisa	
	2	5,633,913	05-27-1997	Talarmo, Reino	
	3	6,078,647	06-20-2000	D'Eletto, Robert A.	
	4	2007/0127676 A1	06-07-2007	Khadri, Seetharaman	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹

16217406
091313

Examiner Signature	/M MOSTAZIR RAHMAN/	Date Considered	10/07/2013
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

T¹ - Place a check mark in this area when an English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.R./



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United States Patent and Trademark Office
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/056,277	01/27/2011	Johan Emil Viktor Bjorsell	SMARB19.004APC	2403
20995 7590 10/16/2013 KNOBBE MARTENS OLSON & BEAR LLP 2040 MAIN STREET FOURTEENTH FLOOR IRVINE, CA 92614			EXAMINER RAHMAN, M MOSTAZIR	
			ART UNIT	PAPER NUMBER
			2413	
			NOTIFICATION DATE	DELIVERY MODE
			10/16/2013	ELECTRONIC

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

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

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

jayna.cartee@knobbe.com
efiling@knobbe.com



UNITED STATES DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

Address : COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
13/056,277	27 January, 2011	BJORSELL ET AL.	SMARB19.004APC

KNOBBE MARTENS OLSON & BEAR LLP 2040 MAIN STREET FOURTEENTH FLOOR IRVINE, CA 92614		EXAMINER	
		M MOSTAZIR RAHMAN	
		ART UNIT	PAPER
		2413	20131007

DATE MAILED:

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

Commissioner for Patents

The prior art of IDS submitted on 09/13/2013 has been considered and the application is still placed for condition of allowance.

/Xavier S. Wong/
Primary Examiner, Art Unit 2413

/M MOSTAZIR RAHMAN/
Examiner, Art Unit 2413

PTO-90C (Rev.04-03)

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	9	("4992971" "5633913" "6078647" "20070127676").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/10/07 12:19
L2	1	L1 and (SIP VolP)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/10/07 12:27
L3	0	L1 and ((access adj code) same (fee charge bill))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/10/07 13:09
L4	0	L1 and ((access adj code) same (SIP VolP))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/10/07 13:09

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	4	("4992971" "5633913" "6078647" "20070127676").pn.	US-PGPUB; USPAT	OR	ON	2013/10/07 13:12
L6	0	L5 and (roam\$5 same identifi\$5).clm.	US-PGPUB; USPAT	OR	ON	2013/10/07 13:12
L7	0	L5 and (roam\$5 same locat\$5).clm.	US-PGPUB; USPAT	OR	ON	2013/10/07 13:13

10/ 7/ 2013 1:30:56 PM

C:\Users\mrahman6\Documents\EAST\Workspaces\10010_13_056277\13056277\13056277 - 2013.07.31.wsp

Search Notes 	Application/Control No. 13056277	Applicant(s)/Patent Under Reexamination BJORSELL ET AL.
	Examiner M MOSTAZIR RAHMAN	Art Unit 2413

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
370	310-338	03/13/2013	MR

SEARCH NOTES		
Search Notes	Date	Examiner
EAST Search: 1)keyword search in USPAT, US-PGPUB, DERWENT, EPO, JPO, IBM_TDB; 2) class/subclasses, inventors, assignee	03/13/2013	MR
Inventor and assignee search in eDAN and PALM.	03/13/2013	MR
Google Patent Search	03/13/2013	MR
IP.COM Search	03/13/2013	MR
Consulted with primary examiner, Xavier Wong.	03/13/2013	MR
Consulted with primary examiner, Xavier Wong.	08/23/2013	MR
Updated search	08/23/2013	MR
Updated search	10/7/2013	MR

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
370	321-322,330, 334,345,347,348,442,440,468,477 (Keyword limited)	08/23/2013	MR
455	432.1	08/23/2013	MR

/ M MOSTAZIR RAHMAN/ Examiner.Art Unit 2413	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Multiple sheets used when necessary)</i>	Application No.	13/056,277
	Filing Date	January 27, 2011
	First Named Inventor	Johan Emil Viktor Bjorsell, et al.
	Art Unit	2413
SHEET 1 OF 1		Examiner Rahman, Mostazir M.
		Attorney Docket No. SMARB19.004APC

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	1	Wikipedia, "International mobile subscriber identity (IMSI)," http://en.wikipedia.org/wiki/IMSI , 7-16-2013.	All pages
	2	Wikipedia, "Roaming," http://en.wikipedia.org/wiki/Roaming , 7-16-2013.	All pages

16221977
091313

Examiner Signature	/M MOSTAZIR RAHMAN/	Date Considered	10/22/2013
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

T¹ - Place a check mark in this area when an English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.R./

<i>Index of Claims</i> 	Application/Control No. 13056277	Applicant(s)/Patent Under Reexamination
	Examiner M MOSTAZIR RAHMAN	Art Unit 2413

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

☒ Claims renumbered in the same order as presented by applicant						☐ CPA		☐ T.D.		☐ R.1.47	
CLAIM		DATE									
Final	Original	03/22/2013	08/23/2013	10/07/2013	10/22/2013						
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<i>Index of Claims</i> 	Application/Control No. 13056277	Applicant(s)/Patent Under Reexamination
	Examiner M MOSTAZIR RAHMAN	Art Unit 2413

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
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CLAIM		DATE									
Final	Original	03/22/2013	08/23/2013	10/07/2013	10/22/2013						
	37	✓	=	=	=						
	38	✓	=	=	=						
	39	✓	=	=	=						
	40	✓	=	=	=						
	41	✓	=	=	=						
	42	✓	-	-	-						
	43	✓	=	=	=						
	44	✓	=	=	=						
	45	✓	=	=	=						
	46	✓	-	-	-						
	47	✓	=	=	=						
	48	✓	=	=	=						
	49	✓	=	=	=						
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	53	✓	=	=	=						
	54	✓	=	=	=						
	55	✓	-	-	-						
	56	✓	=	=	=						
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	61	✓	-	-	-						
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	63	✓	=	=	=						
	64	✓	=	=	=						
	65	✓	-	-	-						
	66	✓	=	=	=						
	67	✓	=	=	=						
	68	✓	=	=	=						
	69	✓	=	=	=						
	70	✓	=	=	=						
	71	✓	=	=	=						
	72	✓	=	=	=						

<i>Index of Claims</i> 	Application/Control No. 13056277	Applicant(s)/Patent Under Reexamination
	Examiner M MOSTAZIR RAHMAN	Art Unit 2413

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

☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47										
CLAIM		DATE								
Final	Original	03/22/2013	08/23/2013	10/07/2013	10/22/2013					
	73	✓	=	=	=					
	74	✓	-	-	-					
	75	✓	=	=	=					
	76	✓	=	=	=					
	77	✓	=	=	=					
	78	✓	=	=	=					
	79	✓	=	=	=					
	80	✓	-	-	-					
	81	✓	=	=	=					
	82	✓	=	=	=					
	83	✓	=	=	=					
	84	✓	-	-	-					
	85	✓	=	=	=					
	86	✓	=	=	=					
	87	✓	=	=	=					
	88	✓	=	=	=					
	89	✓	=	=	=					
	90	✓	=	=	=					



UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/056,277	01/27/2011	Johan Emil Viktor Bjorsell	SMARB19.004APC	2403
20995	7590	10/28/2013	EXAMINER	
KNOBBE MARTENS OLSON & BEAR LLP			RAHMAN, M MOSTAZIR	
2040 MAIN STREET			ART UNIT	PAPER NUMBER
FOURTEENTH FLOOR			2413	
IRVINE, CA 92614			NOTIFICATION DATE	DELIVERY MODE
			10/28/2013	ELECTRONIC

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

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

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

jayna.cartee@knobbe.com
efiling@knobbe.com



UNITED STATES DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

Address : COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
13/056,277	27 January, 2011	BJORSELL ET AL.	SMARB19.004APC

KNOBBE MARTENS OLSON & BEAR LLP 2040 MAIN STREET FOURTEENTH FLOOR IRVINE, CA 92614		EXAMINER	
		M MOSTAZIR RAHMAN	
		ART UNIT	PAPER
		2413	20131020

DATE MAILED:

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

Commissioner for Patents

The prior art of IDS submitted on 09/13/2013 has been considered (2 IDSs) and the application is still placed for condition of allowance.

/M MOSTAZIR RAHMAN/
Examiner, Art Unit 2413

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Multiple sheets used when necessary)</i>	Application No.	13/056,277
	Filing Date	January 27, 2011
	First Named Inventor	Johan Emil Viktor Bjorsell, et al.
	Art Unit	2413
SHEET 1 OF 1		Attorney Docket No. SMARB19.004APC

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	4,992,971	02-12-1991	Hayashi, Kazuhisa	
	2	5,633,913	05-27-1997	Talarino, Reino	
	3	6,078,647	06-20-2000	D'Eletto, Robert A.	
	4	2007/0127676 A1	06-07-2007	Khadri, Seetharaman	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹

16217406
091313

Examiner Signature	/M MOSTAZIR RAHMAN/	Date Considered	10/22/2013
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

T¹ - Place a check mark in this area when an English language translation is attached.
 ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.R./

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Multiple sheets used when necessary)</i> SHEET 3 OF 5	Application No.	13/056277
	Filing Date	01-27-2011
	First Named Inventor	Johan Emil Viktor Björnell et al
	Art Unit	~~2473~~ 2413
	Examiner	~~Unassigned~~ Rahman, M Mostazir
	Attorney Docket No.	SMARB19.004APC

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	59	6,188,752	02-13-2001	Lesley	
	60	6,282,574	08-28-2001	Voit	
	61	6,298,062	10-02-2001	Gardell et al.	
	62	6,351,464	02-26-2002	Galvin et al.	
	63	6,359,880	03-05-2002	Curry et al.	
	64	6,430,275	08-06-2002	Voit et al	
	65	6,507,644	01-14-2003	Henderson et al.	
	66	6,766,159	07-20-2004	Lindholm	
	67	6,819,929	11-16-2004	Antonucci et al.	
	68	6,954,453	10-11-2005	Schindler	
	69	7,068,772	06-27-2006	Widger et al.	
	70	7,120,682	10-10-2006	Salama	
	71	7,212,522	05-01-2007	Shankar et al.	
	72	7,454,510	11-18-2008	Kleyman et al.	
	73	2002/0051518 A1	05-02-2002	Bondy et al.	
	74	2002/0116464 A1	08-22-2002	Mak	
	75	2003/0219103 A1	11-27-2003	Rao et al.	
	76	2004/0157629 A1	08-12-2004	Kallio et al.	
	77	2004/0165709 A1	08-26-2004	Pence et al.	
	78	2004/0181599 A1	09-16-2004	Kreusch et al.	
	79	2004/0202295 A1	10-14-2004	Shen et al.	
	80	2004/0255126 A1	12-16-2004	Reith	
	81	2005/0083911 A1	04-21-2005	Grabelsky et al.	
	82	2005/0094651 A1	05-05-2005	Lutz et al.	
	83	2005/0169248 A1	08-04-2005	Truesdale et al.	
	84	2005/0174937 A1	08-11-2005	Scoggins et al.	
	85	2005/0177843 A1	08-11-2005	Williams	
	86	2006/0072547 A1	04-06-2006	Florkey et al.	
	87	2006/0111116 A1	05-25-2006	Palmer et al.	

Change(s) applied
to document,
/G.R.P./
10/30/2013

Examiner Signature	/M MOSTAZIR RAHMAN/	Date Considered	03/22/2013
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.R./

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Multiple sheets used when necessary)</i>	Application No.	13/056277
	Filing Date	01-27-2011
	First Named Inventor	Johan Emil Viktor Björsell et al
	Art Unit	~~2473~~ 2413
SHEET 2 OF 5		Examiner ~~Unassigned~~ Rahman, M Mostazir
		Attorney Docket No. SMARB19.004APC

Change(s) applied
to document,
/G.R.P./
10/30/2013

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	30	5,867,495	02-02-1999	Elliott et al.	
	31	5,883,891	05-16-1999	Williams et al.	
	32	5,889,774	05-30-1999	Mirashrafi et al.	
	33	5,905,736	05-18-1999	Ronen et al.	
	34	5,907,547	05-25-1999	Foladare et al.	
	35	5,910,946	06-08-1999	Csapo	
	36	5,915,005	06-22-1999	He	
	37	5,923,659	01-30-2001	Curry et al.	
	38	5,930,343	07-27-1999	Vasquez	
	39	5,937,045	08-10-1999	Yaoya et al.	
	40	5,940,598	08-17-1999	Strauss et al.	
	41	5,953,504	09-14-1999	Sokal et al.	
	42	5,956,391	09-21-1999	Melen et al.	
	43	5,970,477	10-19-1999	Roden	
	44	5,974,043	10-26-1999	Solomon	
	45	5,991,291	11-23-1999	Asai et al.	
	46	6,005,926	12-21-1999	Mashinsky	
	47	6,014,379	01-11-2000	White et al.	
	48	6,021,126	02-01-2000	White et al.	
	49	6,052,445	~~10-20-2000~~	Bashoura et al.	04/2000
	50	6,058,300	05-02-2000	Hanson	
	51	6,069,890	05-30-2000	White et al.	
	52	6,073,013	06-06-2000	Agre et al.	
	53	6,104,704	08-15-2000	Buhler et al.	
	54	6,104,711	08-15-2000	Voit	
	55	6,115,737	09-05-2000	Ely et al.	
	56	6,128,304	10-03-2000	Gardell et al.	
	57	6,137,869	10-24-2000	Voit, Eric A., et al.	
	58	6,141,404	10-31-2000	Westerlage et al.	

Examiner Signature	/M MOSTAZIR RAHMAN/	Date Considered	03/22/2013
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.R./

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Multiple sheets used when necessary)</i>	Application No.	13/056277
	Filing Date	01-27-2011
	First Named Inventor	Johan Emil Viktor Björsell et al
	Art Unit	~~2472~~ 2413
SHEET 1 OF 5		Examiner ~~Unassigned~~ Rahman, M Mostazir
		Attorney Docket No. SMARB19.004APC

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	4,916,491	04-10-1990	Katoh	
	2	5,146,491	09-08-1992	Silver et al.	
	3	5,247,571	09-21-1993	Kay et al .	
	4	5,303,297	04-12-1994	Hillis	
	5	5,359,642	10-25-1994	Castro	
	6	5,425,085	06-13-1995	Weinberger et al.	
	7	5,440,621	08-08-1995	Castro	
	8	5,469,497	11-21-1995	Pierce et al.	
	9	5,506,893	04-09-1996	Buscher et al.	
	10	5,519,769	05-21-1996	Weinberger et al.	
	11	5,559,871	09-24-1996	Smith	
	12	5,590,133	12-31-1996	Billstrom et al.	
	13	5,608,786	05-04-1997	Gordon	
	14	5,621,787	04-15-1997	McKoy et al.	
	15	5,661,790	08-26-1997	Hsu	
	16	5,712,907	01-27-1998	Wegner et al.	
	17	5,724,355	03-03-1998	Bruno et al.	
	18	5,726,984	05-10-1998	Kubler et al.	
	19	5,737,414	04-07-1998	Walker et al.	
	20	5,751,961	05-12-1998	Smyk	
	21	5,793,762	08-11-1998	Penners et al.	
	22	5,799,072	08-25-1998	Vulcan et al.	
	23	5,802,502	09-01-1998	Gell et al.	
	24	5,825,863	10-20-1998	Walker	
	25	5,828,740	10-27-1998	Khuc et al.	
	26	5,838,682	11-17-1998	Dekelbaum et al.	
	27	5,845,267	12-01-1998	Ronen	
	28	5,850,433	12-15-1998	Rondeau	
	29	5,864,610	01-26-1999	Ronen	

Change(s) applied
to document,
/G.R.P./
10/30/2013

Examiner Signature	Date Considered
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/056,277	01/14/2014	8630234	SMARB19.004APC	2403

20995 7590 12/24/2013
KNOBBE MARTENS OLSON & BEAR LLP
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

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

The Patent Term Adjustment is 338 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

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

Johan Emil Viktor Bjorsell, Vancouver, BC, CANADA;
Maksym Sobolyev, New Westminster, BC, CANADA;
Pentti Kalevi Huttunen, Vancouver, BC, CANADA;
Emil Malak, Vancouver, CANADA;

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REQUEST FOR CERTIFICATE OF CORRECTION

Inventor	:	Johan Emil Viktor Bjorsell, et al.
App. No.	:	13/056,277
Filed	:	January 27, 2011
Patent No.	:	8,630,234
Issue Date	:	January 14, 2014
Title	:	MOBILE GATEWAY
Conf. No.	:	2403

Commissioner for Patents
Office of Data Management Attention: Certificates of Correction Branch
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing is a Certificate of Correction in connection with the above-identified patent.

Some of the errors cited in the Certificate of Correction appear to have been incurred through the fault of the PTO (see 35 U.S.C. §254, 37 C.F.R. §1.322, and M.P.E.P. §1480). However, because this may not apply to each item in the Certificate of Correction, the \$100 fee under 37 C.F.R. §1.20(a) is submitted herewith. Please charge any additional fees to our Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 8/12/14

By: 
John M. Carson
Registration No. 34,303
Attorney of Record
Customer No. 20995
(858) 707-4000

18610439 / 080714

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO. : 8,630,234
APPLICATION NO. : 13/056,277
ISSUE DATE : January 14, 2014
INVENTORS : Bjorsell, et al.

Page 1 of 1

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

Sheet 10 of 17 (Reference Numeral 274, Fig. 12) at line 3, Change "indentifier?" to --identifier?--.

Sheet 11 of 17 (Reference Numeral 316, Fig. 14) at line 1, Change "Identifer" to --Identifier--.

In column 37 at line 67, in Claim 29, change "said callee location" to --said location--.

18610456
080714

MAILING ADDRESS OF SENDER:

John M. Carson
KNOBBE, MARTENS, OLSON & BEAR, LLP
2040 Main Street, 14th Floor
Irvine, California 92614

DOCKET NO. SMARB19.004APC

PTO/SB/44 Equivalent

Electronic Patent Application Fee Transmittal				
Application Number:		13056277		
Filing Date:		27-Jan-2011		
Title of Invention:		MOBILE GATEWAY		
First Named Inventor/Applicant Name:		Johan Emil Viktor Bjorsell		
Filer:		John M Carson/Deborah LaGuardia		
Attorney Docket Number:		SMARB19.004APC		
Filed as Small Entity				
U.S. National Stage under 35 USC 371 Filing Fees				
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:				
Certificate of Correction	1811	1	100	100
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				100

Electronic Acknowledgement Receipt

EFS ID:	19848145
Application Number:	13056277
International Application Number:	
Confirmation Number:	2403
Title of Invention:	MOBILE GATEWAY
First Named Inventor/Applicant Name:	Johan Emil Viktor Bjorsell
Customer Number:	20995
Filer:	John M Carson/Sandra Autry
Filer Authorized By:	John M Carson
Attorney Docket Number:	SMARB19.004APC
Receipt Date:	12-AUG-2014
Filing Date:	27-JAN-2011
Time Stamp:	19:43:10
Application Type:	U.S. National Stage under 35 USC 371

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$ 100
RAM confirmation Number	5420
Deposit Account	111410
Authorized User	KNOBBE MARTENS OLSON AND BEAR
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. 1.492 (National application filing, search, and examination fees) Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)	

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Certificate of Correction	SMARB19004APCcertofcorrecti on.pdf	61403 c41ebb1dc76c8bfa8d136ae95477b09920 a9dae	no	2
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30397 fbde921582c1533ada34741bc2e348b3e60 4a60b	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			91800		
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. <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. <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. <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.					

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 8,630,234 B2
APPLICATION NO. : 13/056277
DATED : January 14, 2014
INVENTOR(S) : Bjorsell et al.

Page 1 of 1

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

In the Drawings

Sheet 10 of 17 (Reference Numeral 274, Fig. 12) at line 3, Change "indentifier?" to --identifier?--.

Sheet 11 of 17 (Reference Numeral 316, Fig. 14) at line 1, Change "Identifer" to --Identifier--.

In the Claims

Column 37 line 67, Claim 29, Change "said callee location" to --said location--.

Signed and Sealed this
Fourteenth Day of October, 2014



Michelle K. Lee
Deputy Director of the United States Patent and Trademark Office



UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	PATENT NUMBER	GROUP ART UNIT	REQUEST ID
13/056,277	8630234	2413	61289

PAIR Correspondence Address/Fee Address Change

The following fields have been changed to Customer Number 20551 on 04/06/2018 via Private PAIR in view of the certification copied below that authorized the change.

- Correspondence Address

The address for Customer Number 20551 is:

20551

THORPE NORTH & WESTERN, LLP.

P.O. Box 1219

SANDY, UT 84091-1219

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

An attorney or Agent of Record registered to practice before the Patent and Trademark Office who has been given power of attorney in this application

Signature:	/Raimond Salenieks/
Name:	Raimond Salenieks
Registration Number:	37924



UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	PATENT NUMBER	GROUP ART UNIT	REQUEST ID
13/056,277	8630234	2413	61289

PAIR Correspondence Address/Fee Address Change

The following fields have been changed to Customer Number 20551 on 04/06/2018 via Private PAIR in view of the certification copied below that authorized the change.

- Maintenance Fee Address

The address for Customer Number 20551 is:

20551

THORPE NORTH & WESTERN, LLP.

P.O. Box 1219

SANDY, UT 84091-1219

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

An attorney or Agent of Record registered to practice before the Patent and Trademark Office who has been given power of attorney in this application

Signature:	/Raimond Salenieks/
Name:	Raimond Salenieks
Registration Number:	37924

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 13/056,277

Filing Date 1/27/2011

First Named Inventor Johan Emil Viktor Björsell

Title Mobile Gateway

Art Unit 2413

Examiner Name M. Mostazir Rahman

Attorney Docket Number 4278-004.PCT.US

SIGNATURE of Applicant or Patent Practitioner

Signature /Sean F. Parmenter/

Date (Optional)

Name Sean F. Parmenter

Registration Number 53437

Title (if Applicant is a juristic entity)

Applicant Name (if Applicant is a juristic entity)

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 2 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.

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:

20,551

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: 20,551

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):

VOIP-PAL.COM, INC.



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)

March 29, 2018

Name

Ryan L. Thomas

Title

General Counsel and Director, VOIP-PAL.COM, INC.

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.

Electronic Acknowledgement Receipt

EFS ID:	33120239
Application Number:	13056277
International Application Number:	
Confirmation Number:	2403
Title of Invention:	MOBILE GATEWAY
First Named Inventor/Applicant Name:	Johan Emil Viktor Bjorsell
Customer Number:	20551
Filer:	Sean Franklin Parmenter/Jenny Morison
Filer Authorized By:	Sean Franklin Parmenter
Attorney Docket Number:	DIGIF.004APC
Receipt Date:	09-JUL-2018
Filing Date:	27-JAN-2011
Time Stamp:	14:00:24
Application Type:	U.S. National Stage under 35 USC 371

Payment information:

Submitted with Payment	no
------------------------	----

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	POA4.pdf	201983	no	2
			d7367636cc70f066d05101a287c57f053c672e27		

Warnings:

Information:	
Total Files Size (in bytes):	201983
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. <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. <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. <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.	



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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/056,277	01/27/2011	Johan Emil Viktor Bjorsell	DIGIF.004APC

20551
THORPE NORTH & WESTERN, LLP.
P.O. Box 1219
SANDY, UT 84091-1219

CONFIRMATION NO. 2403
IMPROPER CPOA LETTER



Date Mailed: 07/18/2018

NOTICE REGARDING POWER OF ATTORNEY

This is in response to the power of attorney filed 07/09/2018. The power of attorney in this application is not accepted for the reason(s) listed below:

- The power of attorney is from an assignee and the statement required by 37 CFR 3.73(c) has not been received.

/sleutchit/

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

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	13/056,277
Filing Date	1/27/2011
First Named Inventor	Johan Emil Viktor Björsell
Title	Mobile Gateway
Art Unit	2413
Examiner Name	M. Mostazir Rahman
Attorney Docket Number	4278-004.PCT.US

SIGNATURE of Applicant or Patent Practitioner

Signature	/Steve M. Perry/	Date (Optional)	March 21, 2021
Name	Steve M. Perry	Registration Number	45357
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			
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 2 forms are submitted.			

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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:

20,551

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:

20,551

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):

VOIP-PAL.COM, INC.



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)

March 29, 2018

Name

Ryan L. Thomas

Title

General Counsel and Director, VOIP-PAL.COM, INC.

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.

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

STATEMENT UNDER 37 CFR 3.73(c)Applicant/Patent Owner: Johan Emil Viktor Björnsell et al.Application No./Patent No.: 8,630,234Filed/Issue Date: 1/14/2014Titled: Mobile GatewayVoIP-Pal.com, Inc. _____, a corporation

(Name of Assignee)

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

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

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

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

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

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

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

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

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: Johan Emil Viktor Björnsell et al. To: DIGIFONICA (INTERNATIONAL) LIMITED

The document was recorded in the United States Patent and Trademark Office at

Reel 026241, Frame 0422, or for which a copy thereof is attached.2. From: VOIP-PAL.COM, INC. and DIGIFONICA (INTERNATIONAL) LIMITED To: FIVE NINE GLOBAL PARTNERS, LLC

The document was recorded in the United States Patent and Trademark Office at

Reel 029942, Frame 0905, or for which a copy thereof is attached.

[Page 1 of 2]

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

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

STATEMENT UNDER 37 CFR 3.73(c)3. From: DIGIFONICA (INTERNATIONAL) LIMITED and VOIP-PAL.COM, INC. To: LAWFUL INTERCEPT, LLC

The document was recorded in the United States Patent and Trademark Office at
 Reel 029995, Frame 0668, or for which a copy thereof is attached.

4. From: DIGIFONICA (INTERNATIONAL) LIMITED To: LAWFUL INTERCEPT, LLC

The document was recorded in the United States Patent and Trademark Office at
 Reel 029995, Frame 0777, or for which a copy thereof is attached.

5. From: DIGIFONICA (INTERNATIONAL) LIMITED To: DIGIFONICA (INTERNATIONAL) LIMITED

The document was recorded in the United States Patent and Trademark Office at
 Reel 030128, Frame 0309, or for which a copy thereof is attached.

6. From: DIGIFONICA (INTERNATIONAL) LIMITED To: DIGIFONICA (INTERNATIONAL) LIMITED

The document was recorded in the United States Patent and Trademark Office at
 Reel 030128, Frame 0313, or for which a copy thereof is attached.

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

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

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

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

/Steve M. Perry/

March 21, 2021

Signature

Date

Steve M. Perry

45357

Printed or Typed Name

Title or Registration Number

[Page 2 of 2]

Privacy Act Statement

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

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

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

Statement Under 37 CFR 3.73(b) or (c) Continuation Sheet

Application/Patent No. 13/056,277 / 1/27/2011 Filed/Issued Date 8,630,234 / 1/14/2014

Additional chain of title to the current assignee:

7. From: DIGIFONICA (INTERNATIONAL) LIMITED To: DIGIFONICA (INTERNATIONAL) LIMITED
The document was recorded in the United States Patent and Trademark Office at
Reel 030128, Frame 0376, or for which a copy thereof is attached.
8. From: LAWFUL INTERCEPT, LLC To: DIGIFONICA (INTERNATIONAL) LIMITED
The document was recorded in the United States Patent and Trademark Office at
Reel 030188, Frame 0034, or for which a copy thereof is attached.
9. From: DIGIFONICA (INTERNATIONAL) LIMITED To: DIGIFONICA (INTERNATIONAL) LIMITED
The document was recorded in the United States Patent and Trademark Office at
Reel 030493, Frame 0252, or for which a copy thereof is attached.
10. From: MALAK, EMIL To: DIGIFONICA (INTERNATIONAL) LIMITED
The document was recorded in the United States Patent and Trademark Office at
Reel 034122, Frame 0153, or for which a copy thereof is attached.
11. From: DIGIFONICA (INTERNATIONAL) LIMITED To: VOIP-PAL.COM, INC.
The document was recorded in the United States Patent and Trademark Office at
Reel 038650, Frame 0887, or for which a copy thereof is attached.
12. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
13. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

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

Page 1 of 1

Electronic Acknowledgement Receipt

EFS ID:	42236813
Application Number:	13056277
International Application Number:	
Confirmation Number:	2403
Title of Invention:	MOBILE GATEWAY
First Named Inventor/Applicant Name:	Johan Emil Viktor Bjorsell
Customer Number:	20551
Filer:	Steven M. Perry/Jenny Morison
Filer Authorized By:	Steven M. Perry
Attorney Docket Number:	4278-004.PCT.US
Receipt Date:	21-MAR-2021
Filing Date:	27-JAN-2011
Time Stamp:	17:38:45
Application Type:	U.S. National Stage under 35 USC 371

Payment information:

Submitted with Payment		no			
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	POA4.pdf	235273	no	2
			8ccdc6fdc0689cd97f062695cf930db511610596		
Warnings:					

Information:					
2	Assignee showing of ownership per 37 CFR 3.73	Statement4.pdf	101226	no	4
			7246578101da3324189262c481898b71dc67bb4d		
Warnings:					
Information:					
Total Files Size (in bytes):			336499		
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. <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. <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. <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.					

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Application/Patent No. 13/056,277 / 1/27/2011 Filed/Issued Date 8,630,234 / 1/14/2014

Additional chain of title to the current assignee:

7. From: DIGIFONICA (INTERNATIONAL) LIMITED To: DIGIFONICA (INTERNATIONAL) LIMITED
The document was recorded in the United States Patent and Trademark Office at
Reel 030128, Frame 0376, or for which a copy thereof is attached.
8. From: LAWFUL INTERCEPT, LLC To: DIGIFONICA (INTERNATIONAL) LIMITED
The document was recorded in the United States Patent and Trademark Office at
Reel 030188, Frame 0034, or for which a copy thereof is attached.
9. From: DIGIFONICA (INTERNATIONAL) LIMITED To: DIGIFONICA (INTERNATIONAL) LIMITED
The document was recorded in the United States Patent and Trademark Office at
Reel 030493, Frame 0252, or for which a copy thereof is attached.
10. From: MALAK, EMIL To: DIGIFONICA (INTERNATIONAL) LIMITED
The document was recorded in the United States Patent and Trademark Office at
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11. From: DIGIFONICA (INTERNATIONAL) LIMITED To: VOIP-PAL.COM, INC.
The document was recorded in the United States Patent and Trademark Office at
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13. From: _____ To: _____
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Reel _____, Frame _____, or for which a copy thereof is attached.

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

Page 1 of 1

Electronic Acknowledgement Receipt

EFS ID:	42236855
Application Number:	13056277
International Application Number:	
Confirmation Number:	2403
Title of Invention:	MOBILE GATEWAY
First Named Inventor/Applicant Name:	Johan Emil Viktor Bjorsell
Customer Number:	20551
Filer:	Steven M. Perry/Jenny Morison
Filer Authorized By:	Steven M. Perry
Attorney Docket Number:	4278-004.PCT.US
Receipt Date:	21-MAR-2021
Filing Date:	27-JAN-2011
Time Stamp:	18:58:12
Application Type:	U.S. National Stage under 35 USC 371

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	Assignee showing of ownership per 37 CFR 3.73	SupStatement4.pdf	48680 dda740545a69cd2b2adad2f4911824c02e486c87	no	1

Warnings:

Information:	
Total Files Size (in bytes):	48680
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. <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. <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. <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.	



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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/056,277	01/27/2011	Johan Emil Viktor Bjorsell	4278-004.PCT.US

20551
THORPE NORTH & WESTERN, LLP.
P.O. Box 1219
SANDY, UT 84091-1219

CONFIRMATION NO. 2403
POWER OF ATTORNEY NOTICE



Date Mailed: 03/25/2021

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 03/21/2021.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

Questions about the contents of this notice and the requirements it sets forth 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.

/yterferra/



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/056,277	01/27/2011	Johan Emil Viktor Bjorsell	4278-004.PCT.US

20551
THORPE NORTH & WESTERN, LLP.
P.O. Box 1219
SANDY, UT 84091-1219

CONFIRMATION NO. 2403
POA ACCEPTANCE LETTER



Date Mailed: 03/25/2021

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 03/21/2021.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth 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.

/yfeferra/

AO 120 (Rev. 08/10)

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

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

DOCKET NO.	DATE FILED 6/25/2021	U.S. DISTRICT COURT Western District of Texas, Waco Division
PLAINTIFF VOIP-PAL.COM, INC.		DEFENDANT APPLE, INC.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8630234	1/14/2014	VOIP-PAL.COM, INC.
2 10880721	12/29/2020	VOIP-PAL.COM, INC.
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

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

AO 120 (Rev. 08/10)

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

DOCKET NO.	DATE FILED 6/25/2021	U.S. DISTRICT COURT Western District of Texas, Waco Division
PLAINTIFF VOIP-PAL.COM, INC.		DEFENDANT AT&T, INC. AT&T SERVICES, INC AT&T MOBILITY, LLC
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8630234	1/14/2014	VOIP-PAL.COM, INC.
2 10880721	12/29/2020	VOIP-PAL.COM, INC.
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

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

DOCKET NO.	DATE FILED 6/25/2021	U.S. DISTRICT COURT Western District of Texas, Waco Division
PLAINTIFF VOIP-PAL.COM, INC.		DEFENDANT Verizon Communications, Inc.; Cellco Partnership dba Verizon Wireless; Verizon Services, Corp; Verizon Business Network Services, Inc.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8630234	1/14/2014	VOIP-PAL.COM, INC.
2 10880721	12/29/2020	VOIP-PAL.COM, INC.
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☐ Trademarks or ☒ Patents. (☐ the patent action involves 35 U.S.C. § 292.);

DOCKET NO.	DATE FILED 6/25/2021	U.S. DISTRICT COURT Western District of Texas, Waco Division
PLAINTIFF VOIP-PAL.COM, INC.		DEPENDANT T-MOBILE US, INC. and T-MOBILE USA, INC.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8630234	1/14/2014	VOIP-PAL.COM, INC.
2 10880721	12/29/2020	VOIP-PAL.COM, INC.
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

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

DOCKET NO. 6:21-cv-665	DATE FILED 6/25/2021	U.S. DISTRICT COURT Western District of Texas, Waco Division
PLAINTIFF VOIP-PAL.COM, INC.		DEFENDANT FACEBOOK, INC. AND WHATSAPP, INC.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8630234	1/14/2014	VOIP-PAL.COM, INC.
2 10880721	12/29/2020	VOIP-PAL.COM, INC.
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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DECISION/JUDGEMENT

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AO 120 (Rev. 08/10)

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

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

DOCKET NO. 6:21-cv-667	DATE FILED 6/25/2021	U.S. DISTRICT COURT Western District of Texas, Waco Division
PLAINTIFF VOIP-PAL.COM, INC.		DEPENDANT GOOGLE, LLC
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8630234	1/14/2014	VOIP-PAL.COM, INC.
2 10880721	12/29/2020	VOIP-PAL.COM, INC.
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

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

DOCKET NO. 6:21-cv-668	DATE FILED 6/25/2021	U.S. DISTRICT COURT Western District of Texas, Waco Division
PLAINTIFF VOIP-PAL.COM, INC.		DEFENDANT AMAZON.COM, INC. AMAZON.COM SERVICES LLC; and AMAZON WEB SERVICES, INC.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8630234	1/14/2014	VOIP-PAL.COM, INC.
2 10880721	12/29/2020	VOIP-PAL.COM, INC.
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