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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
60/969,905	09/04/2007		100	HYDR-1-1002		

CONFIRMATION NO. 6573

25315
BLACK LOWE & GRAHAM, PLLC
701 FIFTH AVENUE
SUITE 4800
SEATTLE, WA 98104

FILING RECEIPT

Date Mailed: 09/17/2007

Receipt is acknowledged of this provisional patent application. It will not be examined for patentability and will become abandoned not later than twelve months after its filing date. 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 write to the Office of Initial Patent Examination's Filing Receipt Corrections. 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**

Applicant(s)

Andrew Stanton Moren, Gig Harbor, WA;
Robert John Moren, Gig Harbor, WA;
Brian Edward Nelson, Oregon City, OR;
Byron Cordrey Whipple, Vancouver, WA;

Power of Attorney:

Mark Byrne--50125

If Required, Foreign Filing License Granted: 09/14/2007

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is
US60/969,905

Projected Publication Date: None, application is not eligible for pre-grant publication

Non-Publication Request: No

Early Publication Request: No

** SMALL ENTITY **

Title

SYSTEM AND METHOD FOR WIRELESSLY COMMUNICATING WITH A GLOBALLY
LOCATED DEVICE

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Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have

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Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

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PROVISIONAL APPLICATION FOR PATENT COVER SHEET – Page 1 of 2

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53(c).

Express Mail Label No. N/A

INVENTOR(S)		
Given Name (first and middle [if any])	Family Name or Surname	Residence (City and either State or Foreign Country)
Andrew Stanton	Moren	Gig Harbor, Washington
Robert John	Moren	Gig Harbor, Washington
Brian Edward	Nelson	Oregon City, Oregon
Byron Cordrey	Whipple	Vancouver, Washington

Additional inventors are being named on the _____ 0 _____ separately numbered sheets attached hereto

TITLE OF THE INVENTION (500 characters max):

SYSTEM AND METHOD FOR WIRELESSLY COMMUNICATING WITH A GLOBALLY LOCATED DEVICE

Direct all correspondence to: **CORRESPONDENCE ADDRESS**

☒ The address corresponding to Customer Number: 25315

OR

☐ Firm or Individual Name

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ENCLOSED APPLICATION PARTS (check all that apply)

☐ Application Data Sheet. See 37 CFR 1.76 ☐ CD(s), Number of CDs _____

☐ Drawing(s) Number of Sheets _____ ☐ Other (specify) _____

☒ Specification (e.g. description of the invention) Number of Pages 7

Fees Due: Filing Fee of \$200 (\$100 for small entity). If the specification and drawings exceed 100 sheets of paper, an application size fee is also due, which is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

METHOD OF PAYMENT OF THE FILING FEE AND APPLICATION SIZE FEE FOR THIS PROVISIONAL APPLICATION FOR PATENT

☒ Applicant claims small entity status. See 37 CFR 1.27.

☐ A check or money order is enclosed to cover the filing fee and application size fee (if applicable). 100

☐ Payment by credit card. Form PTO-2038 is attached **TOTAL FEE AMOUNT (\$)**

☒ The Director is hereby authorized to charge the filing fee and application size fee (if applicable) or credit any overpayment to Deposit

Account Number: 501050 A duplicative copy of this form is enclosed for fee processing.

USE ONLY FOR FILING A PROVISIONAL APPLICATION FOR PATENT

This collection of information is required by 37 CFR 1.51. 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 8 hours 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.

PROVISIONAL APPLICATION COVER SHEET
Page 2 of 2

PTO/SB/16 (07-07)

Approved for use through 06/30/2010. OMB 0651-0032

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

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The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.



No.



Yes, the name of the U.S. Government agency and the Government contract number are: _____

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SIGNATURE Mark D. Byrne Date September 4, 2007

TYPED or PRINTED NAME Mark D. Byrne REGISTRATION NO. 50,125
(if appropriate)

TELEPHONE 206.957.2481 Docket Number: HYDR-1-1002

**SYSTEM AND METHODS FOR WIRELESSLY COMMUNICATING WITH A GLOBALLY
LOCATED DEVICE**

INVENTOR
Andrew Moren
Robert Moren
Brian Nelson
Byron Whipple

FIELD OF THE INVENTION

[0001] The invention relates generally to software systems and procedures for delivering information to mobile devices based on their specific geographic location as defined by GPS coordinates.

BACKGROUND OF THE INVENTION

[0002] Communication hardware, firmware, and/or software updating often requires configuration updates to foster improved single or two-way communication with or between devices having Global Positioning System (GPS) coordinates. These configuration updates to improve communication may also require that a user release personal information in order to implement the hardware, firmware, and/or software configuration updates. Additionally, extra information may be required for submission, burdening a user with inefficient searching,

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retrieving, and delivering the required extra information to an authority in order to receive and implement the updating hardware, firmware, and/or software.

SUMMARY OF THE PARTICULAR EMBODIMENTS

[0003] A method for communicating information and media to mobile devices identified by Global Positioning System coordinates and associated with information other than GPS coordinates that is stored and retrievable from a database via a web-based registry. The web-based registry software includes computer readable instructions that inputs GPS location and range data that is coupled with specific category information into the database. The specific category information may be recalled or retrieved from the database to a requesting authority to allow the communication updating of GPS located devices.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

[0004] Teachings below describe several embodiments of a system and method to update GPS located devices, including software instructions that allow a user to load computer readable information and media to a web-based database and set criteria and preferences for that information. Additionally there is software that can be loaded to a mobile device that facilitates communication with the web-based database software. The mobile device software allows the user to manage preferences and settings for receiving, sending, and viewing information. Implementation of the computer readable software instructions fosters improved communication with mobile device users by offering a rich set of information specifically based on their exact needs and interests of the users. Providing information sets decreases the need for broadcasting of user personal information that does not pertain to unintended audiences listening in or otherwise acquiring updating information. The information sets provided is adaptable with existing hardware such as mobile phones, GPS, and the Internet. Updating new hardware may also be utilized, but new hardware need not be required. A particular embodiment includes a web-based database for loading information and media to a specific GPS location and/or GPS locations that are layered by or associated with other

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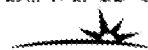
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information categories other than device information. The other information categories include subject, time, day, direction, author, type, and other non-GPS data. One variation of the particular embodiment includes creating a web-based registry that stores information into the database. The database may organize specific locations along with categorical information sets such as subjects, authors, time, dates, direction, priority, type of info, and other non-GPS datasets. Locations of the devices for updating are defined by specific GPS points, radius around GPS points, multiple points defining a geometric shape, a complex set of points defining a geo-fence, or multiples or combinations of all. The multiple categories will define new layers over similar defined locations. Create software for input into the registry. Use an online map service to help users define GPS locations and ranges.

[0006] Another particular embodiment includes creating software or computer readable instructions for mobile devices that give the user the ability to set preferences for incoming and outgoing information initially and on-going. The software may also “learn” user preferences based on previous responses. The software running in the foreground or background shall send GPS locations to the web-based registry / database along with the user’s preferences. It searches the database for entries that match the sent criteria and when found returns the appropriate information or media. The software helps display, run, or execute the sent file.

[0007] Alternate embodiments allow the mobile software or computer readable instructions to give the user the ability to accept or decline the information once, for a specified time, indefinitely, or other user-set period or frequency. The computer readable instructions also allow the user to rate or respond to the information. Information such as specific response, response time, or phone info can be recorded. That response is sent back to the web-registry database and stored with the appropriate information. That response information allows the registry users to review the effectiveness of their information or media. Phone carriers can use



the response information to determine credits or charges to the consumers and information providers. A mobile phone user may be credited for accepted advertisements.

[0008] Specific application of the particular and alternate embodiments include allowing advertisers to send specific information and media to consumers based on their exact location, direction, time of day, day, type of information, type of subject, settings, and preferences. Businesses may offer information to the consumer or employees entering or leaving the store such as salutations, history, events, news, reminders, featured products or services, discounts, coupons or codes directly to the consumer's mobile device. And if allowed by the consumer, be able to log specific information about consumers who visit or pass by their store. Real Estate Agents may use the software system to deliver information and media to consumer's mobile device near a specific property. The software can record and report the consumer's response to each property. The software can be used in conjunction with the MLS listing service to deliver pertinent data. Phone Carriers (such as AT&T, Sprint, Verizon, etc) can use the system to provide a credit to their customers that accept advertisements. Advertisers can pay the phone carrier for each accepted advertisement. This fosters a model for to develop and implement free mobile services and/or free phones.

[0009] Other utilizations include public entities such as Federal, State, City, or County can communicate information to consumers and employees such as history, construction projects, visitor center information, events, news, speed limits, changes, emergency info. Similarly public facilities such as schools can send reminders to students and faculty about policies, events, news, reminders, etc. For example, public health and safety equipment such as Fire Hydrants, Flood Centers, and Emergency Telephones can be delivered to a mobile device user. Similarly, emergency centers may send specific emergency information based on a mobile users exact location. Amber Alerts can be delivered to users in any specific location. Tornado Warnings can be sent to users in a specific area and range. Other emergencies such as hurricanes, fires, predators, etc. can be delivered to specific regions

and also to expanding regions. For example, an Amber Alert centered at a specific GPS point, within a 10-mile radius, and expanding at 70MPH. This allows users to get current information (not premature or belated). Yet other uses include visually impaired users that can use the software to receive verbal directions and descriptions of the environment based on their exact location. Consumer's can use the system to establish entertainment-based games such as scavenger or treasure hunts. Where each specific GPS location found gives descriptive directions to a new specific location until the objective is met.

[0010] While the particular embodiments for systems and methods have been illustrated and described for updating GPS located devices, other uses include maps applications for Bluetooth advertising in updates are acquired with non-personal information data sets that are limited to the short broadcast range available under the Bluetooth technology. Updating with non-personal datasets may also be undertaken on a "pay-per-visit" or "pay per upgrade" basis. Web-based search engines having portable GPS locatable devices such as cell phones requiring updating may be so updated with the data rich information sets so as to foster facilitated communication between the consumer and a store. Additionally, navigation systems requiring updating via the information datasets may be similarly so updated to give current directions based on a dynamic GPS location, that is not static. Accordingly, the scope of embodiments of the invention is not limited by the disclosure of the particular embodiments. Instead, embodiments of the invention should be determined entirely by reference to the claims that follow.

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The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. A method to update a GPS located device comprising:
identifying the GPS located device with GPS coordinates;
selecting non-device information datasets for association with the GPS located device;
associating the selected non-device information datasets with the GPS located device;
supplying the associated non-device information to a requesting authority, and
receiving computer readable instructions for updating the GPS located device identified by the GPS coordinates.
2. The method of claim 1, wherein non-device information datasets include information categories selected from the group consisting of subjects, authors, time, dates, direction, priority, and information type.
3. The method of claim 2, wherein supplying the associated non-device information includes retrieving the non-device information from a database.

SYSTEM AND METHODS FOR WIRELESSLY COMMUNICATING WITH A GLOBALLY LOCATED DEVICE

Abstract of the Disclosure

A web-based database for loading information and media to a specific GPS location and/or GPS locations that are layered by or associated with other information categories other than device information. The other information categories include subject, time, day, direction, author, type, and other non-GPS data.

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Electronic Patent Application Fee Transmittal

Application Number:				
Filing Date:				
Title of Invention:	SYSTEM AND METHOD FOR WIRELESSLY COMMUNICATING WITH A GLOBALLY LOCATED DEVICE			
First Named Inventor/Applicant Name:	Andrew Stanton Moren			
Filer:	Richard Thomas Black/Tricia Walker			
Attorney Docket Number:	HYDR-1-1002			
Filed as Small Entity				
Provisional Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Provisional Application filing fee	2005	1	100	100
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:				
Total in USD (\$)				100

Electronic Acknowledgement Receipt

EFS ID:	2157108
Application Number:	60969905
International Application Number:	
Confirmation Number:	6573
Title of Invention:	SYSTEM AND METHOD FOR WIRELESSLY COMMUNICATING WITH A GLOBALLY LOCATED DEVICE
First Named Inventor/Applicant Name:	Andrew Stanton Moren
Customer Number:	25315
Filer:	Richard Thomas Black/Tricia Walker
Filer Authorized By:	Richard Thomas Black
Attorney Docket Number:	HYDR-1-1002
Receipt Date:	04-SEP-2007
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Time Stamp:	19:47:04
Application Type:	Provisional

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Payment was successfully received in RAM	\$ 100
RAM confirmation Number	3666
Deposit Account	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)
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1	Transmittal of New Application	HYDR-1-1002TL1signed.pdf	160005 6dfab3cc0f85e62b71dc65414317ecc13151914c	no	2
Warnings:					
Information:					
2		HYDR-1-1002AP.pdf	132469 c852ce09ee55b4ad9ed742ae7a68d8e77627e9f6	yes	7
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Specification		1	5	
	Claims		6	6	
	Abstract		7	7	
Warnings:					
Information:					
3	Fee Worksheet (PTO-06)	fee-info.pdf	8178 6ed4fec287fa599920e4d9cf5451aca3ef013e	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			300652		
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					