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May 27, 2009

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Yangjae-Dong, Seocho-Ku
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RE: U.S. Patent Application No. 12/453,141
Inventors: James Won-Ki HONG et al.
Title: Method for Predicting Available Time Remaining on
Battery in Mobile Devices Based on Usage Patterns
Your Ref.: PIA81060/PSC/US-YSJ
Our *New* Ref.: HONG3056/JJC/JS

Dear Dr. Kim:

Enclosed is the Official Filing Receipt received from the Patent Office relating to the above-identified application.

Included with the Filing Receipt is a *Notice to File Corrected Application Papers*. A reply to this Notice is due by the extendible deadline of *July 19, 2009*.

The Notice indicates certain defects in the specification that require correction. Specifically, the Notice indicates that pages 11-14 include text that is written in unacceptable font type or size, and identifies problems with drawing figures 1, 3, and 9.

Upon a brief review of the specification, it appears that formulae on these pages may need to be presented in a larger font size. Additionally, we note that certain subscripts within the formulae and within the written specification may be too small.

Dr. C. Leon Kim
FirstLaw Lee & Ko
Your Ref.: PIA81060/PSC/US-YSJ
Our Ref.: HONG3056/JJC/JS
Page 2

The notice indicates that a substitute specification will be required. Thus, it will be necessary to submit a substitute specification including correction of these items, providing both a "marked up copy" and a "clean copy" of the substitute specification.

Our fee for responding to the Notice, including preparing the substitute specification, will be \$750.

Should you have any questions or concerns, please do not hesitate to contact us. We look forward to receiving your timely instructions and comments.

Very truly yours,
BACON & THOMAS, PLLC



JOHN R. SCHAEFER

JS/klf
Enclosures



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United States Patent and Trademark Office
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/453,141	04/30/2009	James Won-Ki HONG	HONG3056 / EM ✓

CONFIRMATION NO. 9523

FORMALITIES LETTER

23364
BACON & THOMAS, PLLC
625 SLATERS LANE
FOURTH FLOOR
ALEXANDRIA, VA 22314-1176

Date 5/21/09 Atty EM
Action Due Correct Papers
Deadline 7/19/09
Final Deadline 12/19/09
Based on _____



Date Mailed: 05/19/2009 ✓

NOTICE TO FILE CORRECTED APPLICATION PAPERS

Filing Date Granted

An application number and filing date have been accorded to this application. The application is informal since it does not comply with the regulations for the reason(s) indicated below. Applicant is given TWO MONTHS from the date of this Notice within which to correct the informalities indicated below. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

The required item(s) identified below must be timely submitted to avoid abandonment:

- A substitute specification in compliance with 37 CFR 1.52, 1.121(b)(3), and 1.125, is required. The substitute specification must be submitted with markings and be accompanied by a clean version (without markings) as set forth in 37 CFR 1.125(c) and a statement that the substitute specification contains no new matter (see 37 CFR 1.125(b)). The specification, claims, and/or abstract page(s) submitted is not acceptable and cannot be scanned or properly stored because:
 - The application papers (including any electronically submitted papers) are not in compliance with 37 CFR 1.52 because pages 11-14 contain text that is written in unacceptable font or font size. The text must be written in nonscript type font (e.g., Arial, Times Roman, Courier, preferably a font size of 12) lettering style having capital letters that should be at least 0.3175 cm. (0.125 inch) high. A font with capital letters smaller than 0.3175 cm. (0.125 inch) high is only acceptable if the writing is clear and legible.

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

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MAY 20 2009
BACON & THOMAS PLLC

Replies should be mailed to:

Mail Stop Missing Parts
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P.O. Box 1450
Alexandria VA 22313-1450

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

/nguyen/

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



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Table with 6 columns: APPLICATION NUMBER, FILING or 371(e) DATE, GRP ART UNIT, FIL FEE REC'D, ATTY. DOCKET NO, TOT CLAIMS, IND CLAIMS. Row 1: 12/453,141, 04/30/2009, 2617, 545, HONG3056 / EM, 7, 1

CONFIRMATION NO. 9523

FILING RECEIPT



23364
BACON & THOMAS, PLLC
625 SLATERS LANE
FOURTH FLOOR
ALEXANDRIA, VA 22314-1176

Date Mailed: 05/19/2009

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

Applicant(s)

James Won-Ki HONG, Kyungsangbuk-do, KOREA, REPUBLIC OF;
Joon-Myung KANG, Kyungsangbuk-do, KOREA, REPUBLIC OF;

Assignment For Published Patent Application

POSTECH ACADEMY-INDUSTRY FOUNDATION, Kyungsangbuk-do, KOREA, REPUBLIC OF

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Domestic Priority data as claimed by applicant

Foreign Applications

REPUBLIC OF KOREA 10-2008-0054424 06/11/2008

Request to Retrieve - This application either claims priority to one or more applications filed in an intellectual property Office that participates in the Priority Document Exchange (PDX) program or contains a proper Request to Retrieve Electronic Priority Application(s) (PTO/SB/38 or its equivalent). Consequently, the USPTO will attempt to electronically retrieve these priority documents.

If Required, Foreign Filing License Granted: 05/13/2009

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 12/453,141**

Projected Publication Date: To Be Determined - pending completion of Corrected Papers

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

Method for predicting available time remaining on battery in mobile devices based on usage patterns

Preliminary Class

455

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 (1-866-999-4158).

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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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NOT GRANTED

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