

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>BEIJING SAMSUNG TELECOM R &amp; D CENTER</td> <td>09/13/2013</td> </tr> </tbody> </table>		Name	Execution Date	BEIJING SAMSUNG TELECOM R & D CENTER	09/13/2013				
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BEIJING SAMSUNG TELECOM R & D CENTER	09/13/2013								
RECEIVING PARTY DATA									
<table border="1"> <tr> <td>Name:</td> <td>Samsung Electronics Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>129, Samsung-ro, Yeongtong-gu</td> </tr> <tr> <td>City:</td> <td>Suwon-si, Gyeonggi-do</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> </table>		Name:	Samsung Electronics Co., Ltd.	Street Address:	129, Samsung-ro, Yeongtong-gu	City:	Suwon-si, Gyeonggi-do	State/Country:	KOREA, REPUBLIC OF
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PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Patent Number:</td> <td>8498255</td> </tr> </tbody> </table>		Property Type	Number	Patent Number:	8498255				
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CORRESPONDENCE DATA									
<p>Fax Number: 5162288475  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 5162283565        Email: Genmail@farrelliplaw.com        Correspondent Name: Paul J. Farrell        Address Line 1: 290 Broadhollow Road, Suite 210 E        Address Line 4: Melville, NEW YORK 11747</p>									
ATTORNEY DOCKET NUMBER:	678-4014 PCT US								
NAME OF SUBMITTER:	Paul J. Farrell								
Signature:	/pjf/								
Date:	09/16/2013								
<p>Total Attachments: 2        source=ASSIGNMENT#page1.tif        source=ASSIGNMENT#page2.tif</p>									

OP \$40.00 8498255

PATENT

PATENT

Attorney Docket No. 678-4014 PCT US (P16861-US/DMC)

For:  U.S. and/or  Foreign Rights  
For:  U.S. Application or  U.S. Patent  
By:  Inventor(s) or  Present Owner

**ASSIGNMENT OF INVENTION**

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR: *(inventor(s) or person(s) or entity(ies) who own the invention)*

**BEIJING SAMSUNG TELECOM R & D CENTER**  
12/F Zhongdian, Fazhan Building No. 9  
Xiaguangli Chaoyang District, Beijing 100125, China

*(If assignment is by person or entity to whom invention was previously assigned and this was recorded in PTO add the following)*

Recorded on            August 30, 2010  
Reel                     024905  
Frame                  0377

hereby sells, assigns and transfers to:

ASSIGNEE:

**Samsung Electronics Co., Ltd.**  
129, Samsung-ro, Yeongtong-gu,  
Suwon-si, Gyeonggi-do, 443-742,  
Republic of Korea

and the successors, assigns and legal representatives of the ASSIGNEE

*(complete one of the following)*

- the entire right, title and interest
- an undivided \_\_\_\_\_ percent ( \_\_\_\_\_ %) interest for the United States and its territorial possessions

(Assignment of Invention [14-3] - page 1 of 3)

PATENT  
REEL: 031211 FRAME: 0394

(check the following box if foreign rights are also to be assigned)

- and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:

**A METHOD FOR UPDATING LOCATION INFORMATION OF USER EQUIPMENT**

(check and complete (a), (b), (c) or (d))

and which is found in:

- (a)  U.S. Patent Application executed on even date herewith.
- (b)  U.S. Patent Application executed on \_\_\_\_\_.
- (c)  U.S. Patent Application No. \_\_\_\_\_ filed on \_\_\_\_\_.
- (d)  U.S. Patent No. 8,498,255 issued July 30, 2013.
- g  A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(also check (e) if foreign application(s) is also being assigned)

- (e)  and any legal equivalent thereof in a foreign country, including the right to claim priority

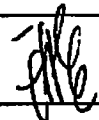
and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any re-issue or re-examination thereof

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Dated: \_\_\_\_\_

September 13, 2013

\_\_\_\_\_  
\_\_\_\_\_  


**BEIJING SAMSUNG TELECOM R & D CENTER**  
Name: Tong Wang.  
Title: President