

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2691153

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
<b>CONVEYING PARTY DATA</b>															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>JIN YOUNG CHUN</td> <td>12/20/2013</td> </tr> <tr> <td>KI TAE KIM</td> <td>12/20/2013</td> </tr> <tr> <td>SU NAM KIM</td> <td>12/20/2013</td> </tr> <tr> <td>JI WON KANG</td> <td>12/26/2013</td> </tr> <tr> <td>BIN CHUL IHM</td> <td>12/26/2013</td> </tr> <tr> <td>SUNG HO PARK</td> <td>12/20/2013</td> </tr> </tbody> </table>		Name	Execution Date	JIN YOUNG CHUN	12/20/2013	KI TAE KIM	12/20/2013	SU NAM KIM	12/20/2013	JI WON KANG	12/26/2013	BIN CHUL IHM	12/26/2013	SUNG HO PARK	12/20/2013
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<b>RECEIVING PARTY DATA</b>															
Name:	LG ELECTRONICS INC.														
Street Address:	20 YEOUIDO-DONG, YEONGDUNGPO-GU														
City:	SEOUL														
State/Country:	KOREA, REPUBLIC OF														
Postal Code:	150-721														
<b>PROPERTY NUMBERS Total: 1</b>															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14234110</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14234110										
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<b>CORRESPONDENCE DATA</b>															
Fax Number:	(213)623-2211														
Phone:	213-623-2221														
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<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>															
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ATTORNEY DOCKET NUMBER:	2101-5628														

NAME OF SUBMITTER:	HARRY S. LEE
Signature:	/Harry S. Lee/
Date:	01/21/2014
Total Attachments: 4 source=9_2101-5628_Assignment#page1.tif source=9_2101-5628_Assignment#page2.tif source=9_2101-5628_Assignment#page3.tif source=9_2101-5628_Assignment#page4.tif	

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Attorney Docket No.

**ASSIGNMENT**

- |  |                     |                   |
|--|---------------------|-------------------|
| (1-8) <i>Insert Name(s) of Inventor(s)</i> | (1) CHUN, Jin Young | (5) IHM, Bin Chul |
|  | (2) KIM, Ki Tae     | (6) PARK, Sung Ho |
|  | (3) KIM, Su Nam     | (7)               |
|  | (4) KANG, Ji Won    | (8)               |

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

- |   |   |
|---|---|
| (9) <i>Insert name of Assignee</i>                    | (9) LG ELECTRONICS INC.   |
| (10) <i>Insert state of Incorporation of Assignee</i> | (10) Republic of Korea  |
| (11) <i>Insert address of Assignee</i>                | (11) 20 Yeouido-dong, Yeoungdeungpo-gu, Seoul 150-721 Republic of Korea |

(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as

- |  |  |
|--|--|
| (12) <i>Insert identification of Invention, such as Title, Case Number or Foreign Application Number</i> | (12) <b>METHOD AND APPARATUS FOR BIT MAPPING FOR DOWNLINK CONTROL CHANNEL IN WIRELESS COMMUNICATION SYSTEM</b> |
|--|--|

(Application Serial No. )  
for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.

- |   |      |
|---|------|
| (13) <i>Insert Date of Signing of Application</i> | (13) |
|---|------|

1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.


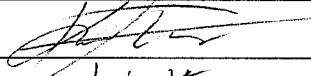
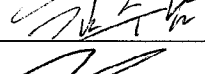
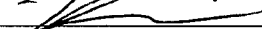
2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith.

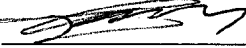
The undersigned hereby appoints **the Attorneys Associated with Customer No. 035884** the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: <u>Dec. 20th. 2013</u>	Signature of Inventor(1) <u></u>
Date: <u>Dec. 20th. 2013</u>	Signature of Inventor(2) <u></u>
Date: <u>Dec 20th. 2013</u>	Signature of Inventor(3) <u></u>
Date: <u>Dec 26th 2013</u>	Signature of Inventor(4) <u></u>

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Date: \_\_\_\_\_ Signature of Inventor(5) \_\_\_\_\_

Date: 20th Dec. 2013 Signature of Inventor(6)  \_\_\_\_\_

12FCCM798US02

Attorney Docket No.

**ASSIGNMENT**

- (1-8) *Insert Name(s) of Inventor(s)*
  - (1) CHUN, Jin Young
  - (2) KIM, Ki Tae
  - (3) KIM, Su Nam
  - (4) KANG, Ji Won
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Date: \_\_\_\_\_ Signature of Inventor(3) \_\_\_\_\_

Date: \_\_\_\_\_ Signature of Inventor(4) \_\_\_\_\_

12FCCM798US02

Attorney Docket No.

Date: 26, Dec 2013

Signature of Inventor(5) 임민준

Date: \_\_\_\_\_

Signature of Inventor(6) \_\_\_\_\_