

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2683955

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>INKWON SEO</td> <td>12/19/2013</td> </tr> <tr> <td>WONJIN SUNG</td> <td>01/06/2014</td> </tr> <tr> <td>JAEWON KIM</td> <td>01/06/2014</td> </tr> <tr> <td>JAEYONG PARK</td> <td>01/06/2014</td> </tr> <tr> <td>HYUNGGIL YOO</td> <td>01/06/2014</td> </tr> </tbody> </table>		Name	Execution Date	INKWON SEO	12/19/2013	WONJIN SUNG	01/06/2014	JAEWON KIM	01/06/2014	JAEYONG PARK	01/06/2014	HYUNGGIL YOO	01/06/2014
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<table border="1"> <tr> <td>Name:</td> <td>LG ELECTRONICS INC.</td> </tr> <tr> <td>Street Address:</td> <td>20 YEOUIDO-DONG, YEONGDEUNGPO-GU</td> </tr> <tr> <td>City:</td> <td>SEOUL</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>150-721</td> </tr> </table>		Name:	LG ELECTRONICS INC.	Street Address:	20 YEOUIDO-DONG, YEONGDEUNGPO-GU	City:	SEOUL	State/Country:	KOREA, REPUBLIC OF	Postal Code:	150-721		
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<table border="1"> <tr> <td>Name:</td> <td>INDUSTRY-UNIVERSITY COOPERATION FOUNDATION, SOGANG UNIVERSITY</td> </tr> <tr> <td>Street Address:</td> <td>SOGANG UNIVERSITY #306 TEILHARD BLDG.</td> </tr> <tr> <td>Internal Address:</td> <td>35, BAEKBEOM-RO, MAPO-GU</td> </tr> <tr> <td>City:</td> <td>SEOUL</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>121-742</td> </tr> </table>		Name:	INDUSTRY-UNIVERSITY COOPERATION FOUNDATION, SOGANG UNIVERSITY	Street Address:	SOGANG UNIVERSITY #306 TEILHARD BLDG.	Internal Address:	35, BAEKBEOM-RO, MAPO-GU	City:	SEOUL	State/Country:	KOREA, REPUBLIC OF	Postal Code:	121-742
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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>Application Number:</td> <td>14233111</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14233111								
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CORRESPONDENCE DATA													
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NAME OF SUBMITTER:	HARRY S. LEE
Signature:	/Harry S. Lee/
Date:	01/15/2014

Total Attachments: 4

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ASSIGNMENT

(1-8) *Insert Name(s) of Inventor(s)*

- | | |
|------------------|------------------|
| (1) Inkwon SEO | (5) Hyunggil YOO |
| (2) Wonjin SUNG | (6) |
| (3) Jaewon KIM | (7) |
| (4) Jaeyong PARK | (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) *Insert name of Assignee*

- (9) LG Electronics Inc. and Industry-University Cooperation Foundation, Sogang University

(10) *Insert state of Incorporation of Assignee*

- (10) Republic of Korea

(11) *Insert address of Assignee*

- (11) 20 Yeouido-dong, Yeongdeungpo-gu, Seoul, 150-721, Republic of Korea and Sogang University #306 Teilhard Bldg., 35, Baekbeom-ro, Mapo-gu, Seoul, 121-742, Republic of Korea

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

(12) *Insert identification of Invention, such as Title, Case Number or Foreign Application Number*

- (12) COMMUNICATION METHOD USING MULTIPLE TRANSMISSION POINTS, AND APPARATUS FOR SAMEassignment

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.

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: 2013.12.19 Signature of Inventor (1) 

Date: _____ Signature of Inventor (2) _____

Date: _____ Signature of Inventor (3) _____

Date: _____ Signature of Inventor (4) _____

Date: _____ Signature of Inventor (5) _____

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Date: _____ Signature of Inventor (1) _____
Date: 1/6/2014 Signature of Inventor (2) [Signature]
Date: 1/6/2014 Signature of Inventor (3) [Signature]
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