

## PATENT ASSIGNMENT COVER SHEET

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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>HYOJIN WON</td> <td>12/16/2013</td> </tr> <tr> <td>SEONGAHN JEON</td> <td>12/16/2013</td> </tr> <tr> <td>JEONGROK LEE</td> <td>12/16/2013</td> </tr> <tr> <td>HYUNHEE YOU</td> <td>12/16/2013</td> </tr> <tr> <td>HYEYOUNG HONG</td> <td>12/16/2013</td> </tr> </tbody> </table>		Name	Execution Date	HYOJIN WON	12/16/2013	SEONGAHN JEON	12/16/2013	JEONGROK LEE	12/16/2013	HYUNHEE YOU	12/16/2013	HYEYOUNG HONG	12/16/2013
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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>REPUBLIC OF KOREA</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:	REPUBLIC OF KOREA	Postal Code:	150-721		
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CORRESPONDENCE DATA													
<p>Fax Number: (202)739-3001</p> <p>Phone: 2027393000</p> <p>Email: patents@morganlewis.com, kcasavecchia@morganlewis.com</p> <p><i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i></p> <p>Correspondent Name: ROBERT J. GAYBRICK</p> <p>Address Line 1: 1111 PENNSYLVANIA AVE, NW</p> <p>Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20004</p>													
ATTORNEY DOCKET NUMBER:	001364-7265												
NAME OF SUBMITTER:	ROBERT J. GOODELL												

Signature:	/Robert J. Goodell/
Date:	01/17/2014
Total Attachments: 2 source=001364-7265_Assignment_01172014#page1.tif source=001364-7265_Assignment_01172014#page2.tif	

# ASSIGNMENT

WHEREAS WE, the below named inventors, (hereinafter referred to as "Assignors"), have made an invention entitled:

## TV RECEIVER

for which WE filed an application of United States on , (Application No ; and

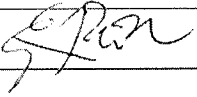
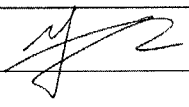
WHEREAS, **LG ELECTRONICS INC.**, whose post office address is 20 Yeouido-dong Yeongdeungpo-gu, Seoul, 150-721, Republic of Korea (hereinafter referred to as "Assignee"), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application of United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, WE, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and WE hereby authorize and request the Director of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent of this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that WE have the full right to convey the interest assigned by this Assignment, and WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that WE will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

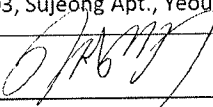
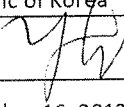
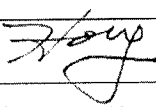
IN TESTIMONY WHEREOF, WE have hereunto set my hands.

Full Name of first Assignor	Hyojin Won
Address	103-305, Donga Apt., Jamwon-dong, Seocho-gu, Seoul, Republic of Korea
Signature	
Date	December 16, 2013
Full Name of second Assignor	Seongahn Jeon
Address	201, 393-5, Majang-dong, Seongdong-gu, Seoul, Korea
Signature	
Date	December 16, 2013

Morgan, Lewis & Bockius LLP

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**PATENT**  
**REEL: 031991 FRAME: 0551**

Full Name of third Assignor	Jeongrok Lee
Address	A-703, Sujeong Apt., Yeouido-dong, Yeongdeungpo-gu, Seoul, Republic of Korea
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Date	December 16, 2013
Full Name of fourth Assignor	Hyunhee You
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Full Name of fifth Assignor	Hyeyoung Hong
Address	501, 187, Sadang 5-dong, Dongjak-gu, Seoul, Republic of Korea
Signature	
Date	December 16, 2013
Full Name of sixth Assignor	
Address	
Signature	
Date	
Full Name of seventh Assignor	
Address	
Signature	
Date	

Morgan, Lewis & Bockius LLP

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RECORDED: 01/17/2014

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