

## 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>Hyun-Woo JANG</td> <td>11/13/2012</td> </tr> <tr> <td>Shi-Cheol SONG</td> <td>11/13/2012</td> </tr> <tr> <td>Eun-Jung KIM</td> <td>11/13/2012</td> </tr> </tbody> </table>		Name	Execution Date	Hyun-Woo JANG	11/13/2012	Shi-Cheol SONG	11/13/2012	Eun-Jung KIM	11/13/2012
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RECEIVING PARTY DATA									
<table border="1"> <tr> <td>Name:</td> <td>LG Display Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>128, Yeoui-daero, Yeongdeungpo-gu</td> </tr> <tr> <td>City:</td> <td>Seoul</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> </table>		Name:	LG Display Co., Ltd.	Street Address:	128, Yeoui-daero, Yeongdeungpo-gu	City:	Seoul	State/Country:	KOREA, REPUBLIC OF
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PROPERTY NUMBERS Total: 1									
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CORRESPONDENCE DATA									
<p>Fax Number: 2027393001  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2027393000        Email: patents@morganlewis.com, ateckman@morganlewis.com        Correspondent Name: Collin W. Park        Address Line 1: 1111 Pennsylvania Avenue NW        Address Line 4: Washington, DISTRICT OF COLUMBIA 20004</p>									
ATTORNEY DOCKET NUMBER:	041501-7082								
NAME OF SUBMITTER:	Robert J. Goodell								
<p>Total Attachments: 2        source=041501-7082-Assignment#page1.tif        source=041501-7082-Assignment#page2.tif</p>									

CH \$40.00 13675154

# ASSIGNMENT

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

## APPARATUS AND METHOD FOR DRIVING TOUCH SENSOR

for which WE filed an application for United States Letters Patent on November 13, 2012 (Application No 13/675,154); and


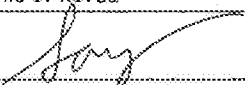
WHEREAS LG Display Co., Ltd. whose post office address is 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, Republic of Korea (hereinafter referred to as "Assignee"), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the 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;

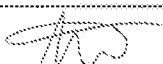
AND, WE HEREBY further covenant and agree that WE will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any 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	Hyun-Woo JANG
Address	324/401 Eunpyeong New Town Magojeong 2 Danji Dongbu Centreville Apt., Jingwannae-dong, Eunpyeong-gu, Seoul, Republic of Korea
Signature	
Date	2012. 11. 13
Full Name of second Assignor	Shi-Cheol SONG
Address	211/1506 Gajwa Maeul 2 Danji Apt., Gajwa-dong, Ilsanseo-gu, Goyang-si, Gyeonggi-do, Republic of Korea
Signature	
Date	2012. 11. 13

Morgan, Lewis & Bockius LLP

DB1/71655855.1

Full Name of third Assignor	Eun-Jung KIM
Address	B/504 Daesin Apt., Singil 1-dong, Yeongdeungpo-gu, Seoul, Republic of Korea
Signature	
Date	2012. 11. 13