

## 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>Tae-Hyung HWANG</td> <td>05/01/2012</td> </tr> <tr> <td>Joo-Han BAE</td> <td>05/01/2012</td> </tr> <tr> <td>Joon-Youp KIM</td> <td>05/01/2012</td> </tr> </tbody> </table>		Name	Execution Date	Tae-Hyung HWANG	05/01/2012	Joo-Han BAE	05/01/2012	Joon-Youp KIM	05/01/2012
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Tae-Hyung HWANG	05/01/2012								
Joo-Han BAE	05/01/2012								
Joon-Youp KIM	05/01/2012								
RECEIVING PARTY DATA									
Name:	Samsung Display Co., Ltd.								
Street Address:	95, Samsung 2-Ro,Giheung-Gu								
Internal Address:	Gyeonggi-do								
City:	Yongin-City								
State/Country:	KOREA, REPUBLIC OF								
Postal Code:	446-711								
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>13470024</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13470024				
Property Type	Number								
Application Number:	13470024								
CORRESPONDENCE DATA									
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NAME OF SUBMITTER:	Hae-Chan Park								
Total Attachments: 2 source=P4707US00-ExecutedAssignment#page1.tif source=P4707US00-ExecutedAssignment#page2.tif									

OP \$40.00 13470024



**ASSIGNMENT**

Whereas, Assignor has invented certain new and useful processes, machines, articles of manufacture, compositions of matter, and/or improvements thereof ("Invention") disclosed in

an application for United States Letters Patent entitled **DISPLAY SUBSTRATE, METHOD OF MANUFACTURING THE SAME AND DISPLAY APPARATUS HAVING THE SAME** ("Application");

upon which United States Letters Patent, Patent Number \_\_\_\_\_, has issued ("Patent");

Whereas, Assignor desires to convey all rights, titles, and interests in and to the same to:

**Samsung Display Co., LTD.  
95, Samsung 2-Ro,  
Giheung-Gu, Yongin-City,  
Gyeonggi-Do 446-711  
Korea**

**Samsung Display Co., LTD.** herein further referred to as ("Assignee").

Now, for valuable consideration by Assignee to Assignor, the receipt of which is hereby acknowledged, and for other good and valuable consideration, Assignee and Assignor hereby agree as follows:

Assignor hereby conveys, assigns, sells and transfers to Assignee all rights, title and interests in and to the Invention disclosed in said application and in and to any Letters Patent of the United States (US), any continuation, division, renewal, or substitute thereof, and hereby grant to Assignee the right to apply in its own name for patents or Inventor's certificates and related rights heretofore or hereafter filed for the Invention in any and all countries, including (without limitation) all rights to claim priority based thereon, all patents granted thereon and all reissues, extensions and renewals 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 Assignee's request, be provided promptly with all pertinent facts and documents relating to the Invention, Patent, Application and any patents granted thereon, as may be known and accessible to Assignor, and Assignor will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to Assignee or Assignee's legal representative any and all papers, instruments or affidavits required to apply for, protect, obtain, maintain, issue, defend and enforce the Application, Patent, Invention, whether in the US or any and all foreign countries and any patents granted thereon and/or for obtaining any reissue or reissues of any patent



which may be granted for the invention and perform such further acts which may be necessary or desirable to carry out the intent of this agreement as the Assignee thereof shall hereafter require and prepare at assignee's expense.

IN WITNESS WHEREOF, Assignor has hereunto set hand and seal.

First Inventor's Name:	Tae-Hyung HWANG
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First Inventor's Signature:	<i>Tae Hyung Hwang</i>
Date:	<i>1 May 2012</i>
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Second Inventor's Signature:	<i>Joo Han. BAE</i>
Date:	<i>1 May 2012</i>
Third Inventor's Name:	Joon-Youp KIM
Address:	Maronie-206, 7-1, Nongseo-dong Giheung-gu, Gyeonggi-do Yongin-si Republic of Korea
Third Inventors' Signature:	<i>Joon Youp Kim</i>
Date:	<i>1 May 2012</i>