

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Takayuki Fukasawa</td> <td>07/25/2012</td> </tr> <tr> <td>KIhyuk KIM</td> <td>07/25/2012</td> </tr> <tr> <td>JI HUN KIM</td> <td>07/25/2012</td> </tr> </tbody> </table>		Name	Execution Date	Takayuki Fukasawa	07/25/2012	KIhyuk KIM	07/25/2012	JI HUN KIM	07/25/2012
Name	Execution Date								
Takayuki Fukasawa	07/25/2012								
KIhyuk KIM	07/25/2012								
JI HUN KIM	07/25/2012								
RECEIVING PARTY DATA									
Name:	SAMSUNG DISPLAY CO., LTD.								
Street Address:	95, Samsung 2 Ro, Giheung-Gu								
City:	Yongin-City, Gyeonggi-Do								
State/Country:	KOREA, REPUBLIC OF								
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>13714738</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13714738				
Property Type	Number								
Application Number:	13714738								
CORRESPONDENCE DATA									
Fax Number:	8602860115								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	860-286-2929								
Email:	mftzner@cantorcolburn.com								
Correspondent Name:	CANTOR COLBURN LLP								
Address Line 1:	20 Church Street								
Address Line 2:	22nd Floor								
Address Line 4:	Hartford, CONNECTICUT 06103								
ATTORNEY DOCKET NUMBER:	HAA0260US								
NAME OF SUBMITTER:	Amy Bizon-Copp								
Total Attachments: 2 source=AS_FILED_Assignment#page1.tif source=AS_FILED_Assignment#page2.tif									

OP \$40.00 13714738

ASSIGNMENT

WHEREAS We, **Takayuki Fukasawa** of #1301, Yangjae Hanshin Hueplus Apt., Yangjae 1-dong, Seocho-gu, Seoul, Republic of Korea; **KIM, Kihyuk** of 101-1904, Geumho Apt., 95-1, Garak-dong, Songpa-gu, Seoul, Republic of Korea; and **KIM, JI HUN** of 851-2003, Supso k Maeul Moamiredo 1 danji Apt., Neung-dong, Hwaseong-si, Gyeonggi-do, Republic of Korea (hereinafter referred to as "ASSIGNORS") have invented certain new and useful improvements in:

APPARATUS AND METHOD OF TREATING SUBSTRATE

which claims priority to **Korean Patent Application No. 10-2012-0030134, filed March 23, 2012** and for which We are about to file or have filed an application for Letters Patent of the United States;

AND WHEREAS, **SAMSUNG DISPLAY CO., LTD** (hereinafter referred to as "ASSIGNEE"), a corporation organized and existing under the laws of the Country of **Korea**, having a place of business at **95, Samsung 2 Ro, Giheung-Gu, Yongin-City, Gyeonggi-Do, Korea**, is desirous of acquiring an interest in the United States and all foreign countries, in and to the said invention and Letters Patent to be obtained therefor;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, the receipt of which is hereby acknowledged, We, the said ASSIGNORS have assigned and transferred, and hereby assign and transfer unto the said ASSIGNEE, the entire right, title and interest in and to said invention in the United States and in all foreign countries, including priority rights, as fully set forth and described in said application; and We do hereby authorize and request the Commissioner of Patents to issue said Letters Patent on said application, and any and all Letters Patent that may be issued upon any and all revivals, refilings, continuations, continuations-in-part, divisions and reissues thereof, to the said ASSIGNEE, an assignee of the entire right, title and interest in and to the same, for the sole use and behoof of ASSIGNEE, its successors and assigns; and We do hereby agree that the said ASSIGNEE, may apply for foreign Letters Patent on said invention and that We will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by the said ASSIGNEE, its successors or assigns, and that We will,

at the cost and expense of the said ASSIGNEE fully assist and cooperate in all matters in connection with the United States and foreign applications and patents issuing thereon.

The undersigned declare that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 25 July 2012 Takayuki Fukasawa L.S.
Takayuki Fukasawa

Date: 25 July 2012 Kim Ki Hyuk L.S.
KIM, KiHyuk

Date: 25 July 2012 Kim Ji Hun L.S.
KIM, JI HUN