

## 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>Sung-Ho KIM</td> <td>04/25/2013</td> </tr> <tr> <td>Min-Hwan CHOI</td> <td>04/25/2013</td> </tr> <tr> <td>Min-Ji BAEK</td> <td>04/25/2013</td> </tr> <tr> <td>Sang-Kyung LEE</td> <td>04/25/2013</td> </tr> <tr> <td>Sang-Ho JEON</td> <td>04/25/2013</td> </tr> <tr> <td>Jong-Moo HUH</td> <td>04/25/2013</td> </tr> </tbody> </table>		Name	Execution Date	Sung-Ho KIM	04/25/2013	Min-Hwan CHOI	04/25/2013	Min-Ji BAEK	04/25/2013	Sang-Kyung LEE	04/25/2013	Sang-Ho JEON	04/25/2013	Jong-Moo HUH	04/25/2013
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Jong-Moo HUH	04/25/2013														
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>13890476</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13890476										
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Application Number:	13890476														
CORRESPONDENCE DATA															
Fax Number:	7032070003														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	703-207-0008														
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NAME OF SUBMITTER:	Eugene M. Lee														

OP \$40.00 13890476

Signature:	/Eugene M. Lee, Reg. No. 32,039/
Date:	05/09/2013
Total Attachments: 2 source=Assignment_2013_05_09_as_filed#page1.tif source=Assignment_2013_05_09_as_filed#page2.tif	

### ASSIGNMENT

Name and Address of Assignee	For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto <b>SAMSUNG DISPLAY CO., LTD.,</b> <b>95, Samsung 2 Ro, Giheung-Gu, Yongin-City,</b> <b>Gyeonggi-Do, Republic of Korea</b>
	(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to

Title of Invention	<b>METHOD FOR CRYSTALLIZING A SILICON SUBSTRATE</b> as set forth in this United States Patent Application
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Check One	<input checked="" type="checkbox"/> executed concurrently herewith  <input type="checkbox"/> executed on _____  <input type="checkbox"/> Serial No. _____ Filed _____
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in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of LEE & MORSE, P.C. the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

NAMES AND SIGNATURES OF INVENTORS		
Name: <b>Sung-Ho KIM</b>	Signature: <i>Sung-ho Kim</i>	Date: April 25, 2013
Name: <b>Min-Hwan CHOI</b>	Signature: <i>Min-Hwan CHOI</i>	Date: April 25, 2013
Name: <b>Min-Ji BAEK</b>	Signature: <i>Min-Ji BAEK</i>	Date: April 25, 2013
Name: <b>Sang-Kyung LEE</b>	Signature: <i>Sang-kyung LEE</i>	Date: April 25, 2013
Name: <b>Sang-Ho JEON</b>	Signature: <i>Sang-Ho JEON</i>	Date: April 25, 2013
Name: <b>Jong-Moo HUH</b>	Signature: <i>Jong-Moo HUH</i>	Date: April 25, 2013
NAMES AND SIGNATURES OF WITNESSES		

Name:	Signature:	Date:
Name:	Signature:	Date:

Note: **Prima facie** evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.