

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>BONG-KYUN KIM</td> <td>12/18/2012</td> </tr> <tr> <td>HONG SICK PARK</td> <td>12/18/2012</td> </tr> <tr> <td>WANG WOO LEE</td> <td>12/18/2012</td> </tr> <tr> <td>YOUNG MIN MOON</td> <td>12/18/2012</td> </tr> <tr> <td>SEUNG HO YOON</td> <td>12/18/2012</td> </tr> <tr> <td>YOUNG JOO CHOI</td> <td>12/18/2012</td> </tr> <tr> <td>SANG-WOO KIM</td> <td>11/21/2012</td> </tr> <tr> <td>KI-BEOM LEE</td> <td>11/21/2012</td> </tr> <tr> <td>DAE-WOO LEE</td> <td>11/21/2012</td> </tr> <tr> <td>SAM-YOUNG CHO</td> <td>11/21/2012</td> </tr> </tbody> </table>		Name	Execution Date	BONG-KYUN KIM	12/18/2012	HONG SICK PARK	12/18/2012	WANG WOO LEE	12/18/2012	YOUNG MIN MOON	12/18/2012	SEUNG HO YOON	12/18/2012	YOUNG JOO CHOI	12/18/2012	SANG-WOO KIM	11/21/2012	KI-BEOM LEE	11/21/2012	DAE-WOO LEE	11/21/2012	SAM-YOUNG CHO	11/21/2012
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KI-BEOM LEE	11/21/2012																						
DAE-WOO LEE	11/21/2012																						
SAM-YOUNG CHO	11/21/2012																						
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>13728348</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13728348																		
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Application Number:	13728348																						
CORRESPONDENCE DATA																							
Fax Number:	5166928889																						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																							
Phone:	516-692-8888																						
Email:	mail@chauiplaw.com																						
Correspondent Name:	F. CHAU & ASSOCIATES, LLC																						
Address Line 1:	130 WOODBURY ROAD																						
Address Line 4:	WOODBURY, NEW YORK 11797																						

OP \$40.00 13728348

ATTORNEY DOCKET NUMBER:	8071-516 (OPP20121373US)
NAME OF SUBMITTER:	Frank Chau
	This document serves as an Oath/Declaration (37 CFR 1.63).
<p>Total Attachments: 12</p> <p>source=8071-516-Assign#page1.tif source=8071-516-Assign#page2.tif source=8071-516-Assign#page3.tif source=8071-516-Assign#page4.tif source=8071-516-Assign#page5.tif source=8071-516-Assign#page6.tif source=8071-516-Assign#page7.tif source=8071-516-Assign#page8.tif source=8071-516-Assign#page9.tif source=8071-516-Assign#page10.tif source=8071-516-Assign#page11.tif source=8071-516-Assign#page12.tif</p>	

COMBINED DECLARATION (37 CFR 51.63) FOR UTILITY PATENT APPLICATION AND
ASSIGNMENT FORM¹

The undersigned acknowledges that this document is being used both as an assignment of the
invention and as the declaration (37 CFR 1.63) for a Utility or Design Application.

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

TITLE: **ETCHANT COMPOSITION AND MANUFACTURING METHOD FOR
THIN FILM TRANSISTOR USING THE SAME**

for which Assignor is about to make or has made United States or International application for patent.

WHEREAS, as a below named inventor(s), I/(we) hereby declare that:

Section I. Declaration

This declaration is directed to:

- ☒ The attached U.S. non-provisional patent application, or
- ☐ U.S. non-provisional patent application number _____, filed on
_____, or _____,
- ☐ PCT international patent application number _____, filed on
_____.

The above-identified application was made or authorized to be made by me (us).

I (we) believe that I am (we are) the original inventor (original joint inventors) of a claimed invention in
the above-identified application.

I (we) hereby acknowledge that any willful false statement made in this declaration is punishable
under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

¹ This form requires the use of an Application Data Sheet.

SDC Ref No. LA-201204-040-1-US0

Attorney Ref No. 8071-516/sla

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND
ASSIGNMENT FORM

Page 1 of 6

PATENT
REEL: 029534 FRAME: 0485

I hereby state that I have reviewed and understand the contents of the above Identified application, including the claims.

I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

Section II. Assignment

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned hereby sell(s) and assign(s) to

Samsung Display Co., Ltd.

having an address at **95, Samsung 2 Ro, Giheung-Gu, Yongin-City, Gyeonggi-Do, Korea** (hereinafter designated as the Assignee(s)), the entire (100%) right, title and interest for the United States as defined in 35 USC §100, in the invention described in the application identified in Section I of this document.

Assignor hereby confirms any prior assignment to Assignee(s), and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee(s) and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee(s) to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

SDC RefNo. LA-201204-040-1-US0

Attorney RefNo. 8071-516/slg

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND
ASSIGNMENT FORM

Page 2 of 6

PATENT
REEL: 029534 FRAME: 0486

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee(s) without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee(s), and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee(s).

The undersigned hereby grant(s) the law firm of F. Chau & Associates, LLC the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Section III. Inventor(s)/Assignor(s) Signature(s)

LEGAL NAME OF FIRST INVENTOR/ASSIGNOR	Full Name
	KIM, Bong-Kyun
<div style="display: flex; justify-content: space-between;"><div>SIGNATURE <u>Kim Bong-Kyun</u></div><div>DATE <u>December 18, 2012</u></div></div>	

SDC Ref No. LA-201204-040-1-US0

Attorney Ref No. 8071-516/sla

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND
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Page 3 of 6

PATENT
REEL: 029534 FRAME: 0487

LEGAL NAME OF SECOND INVENTOR/ASSIGNOR	Full Name
	PARK, Hong Sick
<p>SIGNATURE <u>Park Hong Sick</u> DATE <u>December 18, 2012</u></p>	

LEGAL NAME OF THIRD INVENTOR/ASSIGNOR	Full Name
	LEE, Wang Woo
<p>SIGNATURE <u>LEE Wang Woo</u> DATE <u>December 18, 2012</u></p>	

LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	Full Name
	MOON, Young Min
<p>SIGNATURE <u>Moon Young Min</u> DATE <u>December 18, 2012</u></p>	

SDC RefNo. LA-201204-040-1-US0

Attorney RefNo. 8071-516/slg

LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	Full Name
	YOON, Seung Ho
<p>SIGNATURE <u>Yoon Seung Ho</u> DATE <u>December 18, 2012</u></p>	

LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR	Full Name
	CHOI, Young Joo
<p>SIGNATURE <u>Choi Young Joo</u> DATE <u>December 18, 2012</u></p>	

LEGAL NAME OF SEVENTH INVENTOR/ASSIGNOR	Full Name
	KIM, Sang-Woo
<p>SIGNATURE _____ DATE _____</p>	

SDC RefNo. LA-201204-040-1-US0

Attorney RefNo. 8071-516/sla

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND
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Page 5 of 6

PATENT
REEL: 029534 FRAME: 0489

LEGAL NAME OF EITGHTH INVENTOR/ASSIGNOR	Full Name
	LEE, Ki-Beom
<p>SIGNATURE _____ DATE _____</p>	

LEGAL NAME OF NINETH INVENTOR/ASSIGNOR	Full Name
	LEE, Dae-Woo
<p>SIGNATURE _____ DATE _____</p>	

LEGAL NAME OF TENTH INVENTOR/ASSIGNOR	Full Name
	CHO, Sam-Young
<p>SIGNATURE _____ DATE _____</p>	

SDC Ref No. LA-201204-040-1-US0

Attorney Ref No. 8071-516/sla

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND
ASSIGNMENT FORM

Page 6 of 6

PATENT
REEL: 029534 FRAME: 0490

**COMBINED DECLARATION (37 CFR 51.63) FOR UTILITY PATENT APPLICATION AND
ASSIGNMENT FORM¹**

The undersigned acknowledges that this document is being used both as an assignment of the invention and as the declaration (37 CFR 1.63) for a Utility or Design Application.

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

TITLE: ETCHANT COMPOSITION AND MANUFACTURING METHOD FOR THIN FILM TRANSISTOR USING THE SAME

for which Assignor is about to make or has made United States or International application for patent.

WHEREAS, as a below named inventor(s), I/(we) hereby declare that:

Section I. Declaration

This declaration is directed to:

- ☒ The attached U.S. non-provisional patent application, or
- ☐ U.S. non-provisional patent application number _____, filed on _____, or
- ☐ PCT international patent application number _____, filed on _____

The above-identified application was made or authorized to be made by me (us).

I (we) believe that I am (we are) the original inventor (original joint inventors) of a claimed invention in the above-identified application.

I (we) hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

¹ This form requires the use of an Application Data Sheet.

SDC Ref No. LA-201204-040-1-1/50

Attorney Ref No. 5071-516/sls

**COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND
ASSIGNMENT FORM**

Page 1 of 6



I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.

I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

Section II. Assignment

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned hereby sell(s) and assign(s) to

Samsung Display Co., Ltd.

having an address at **95, Samsung 2 Ro, Giheung-Gu, Yongin-City, Gyeonggi-Do, Korea** (hereinafter designated as the Assignee(s)), the entire (100%) right, title and interest for the United States as defined in 35 USC §100, in the invention described in the application identified in Section I of this document.

Assignor hereby confirms any prior assignment to Assignee(s), and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee(s) and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee(s) to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of

SDC Ref No. LA-201204-040-1-1 SD

Attorney Ref No. 8871-516-03

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND
ASSIGNMENT FORM

Page 2 of 6



the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights.

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee(s) without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

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Section III. Inventor(s)/Assignor(s) Signature(s)

LEGAL NAME OF FIRST INVENTOR/ASSIGNOR	Full Name KIM, Bong-Kyun
SIGNATURE _____	DATE _____

SDC Ref No. LA-201204-040-1-USO

Attorney Ref No. 8071-516-ala

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND
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Page 3 of 6



LEGAL NAME OF SECOND INVENTOR/ASSIGNOR	Full Name
	PARK, Hong Sick
SIGNATURE _____ DATE _____	

LEGAL NAME OF THIRD INVENTOR/ASSIGNOR	Full Name
	LEE, Wang Woo
SIGNATURE _____ DATE _____	

LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	Full Name
	MOON, Young Min
SIGNATURE _____ DATE _____	

SDC Ref No. LA-201204-040-1-150

Attorney Ref No. 2071-516-01a

COMBINED DECLARATION (37 CFR 1.65) FOR UTILITY PATENT APPLICATION AND
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SIGNATURE _____ DATE _____	

LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR	Full Name CHOI, Young Joo
SIGNATURE _____ DATE _____	

LEGAL NAME OF SEVENTH INVENTOR/ASSIGNOR	Full Name KIM, Sang-Woo
SIGNATURE <u>KIM, Sang-Woo</u> DATE <u>November 21, 2012</u>	

SDC Ref No. LA-201204-040-LX-S0

Attorney Ref No. 8071-516/sh

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND
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Page 5 of 6

