

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3118320

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		
SEQUENCE:	1		
CONVEYING PARTY DATA			
	Name	Execution Date	
	HYUN-WOO KIM	11/21/2014	
	CHEOL HONG PARK	11/21/2014	
RECEIVING PARTY DATA			
Name:	SAMSUNG ELECTRONICS CO., LTD.		
Street Address:	129, SAMSUNG-RO, YEONGTONG-GU		
City:	SUWON-SI, GYEONGGI-DO		
State/Country:	KOREA, REPUBLIC OF		
Postal Code:	443-742		
PROPERTY NUMBERS Total: 1			
	Property Type	Number	
	Application Number:	14549911	
CORRESPONDENCE DATA			
Fax Number:	(703)207-0003		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>			
Phone:	703-207-0008		
Email:	eoa@lee-iplaw.com		
Correspondent Name:	LEE & MORSE, P.C.		
Address Line 1:	3141 FAIRVIEW PARK DRIVE		
Address Line 2:	SUITE 500		
Address Line 4:	FALLS CHURCH, VIRGINIA 22042		
ATTORNEY DOCKET NUMBER:	249/1055		
NAME OF SUBMITTER:	JAY P. BEALE		
SIGNATURE:	/Jay P. Beale/		
DATE SIGNED:	11/21/2014		
	This document serves as an Oath/Declaration (37 CFR 1.63).		
Total Attachments: 12			
source=Assignment#page1.tif			
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source=Assignment#page4.tif
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SAMSUNG ELECTRONICS CO., LTD.
AZ ELECTRONIC MATERIALS (LUXEMBOURG) S.A.R.L.

**COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY PATENT APPLICATION
AND ASSIGNMENT FORM¹ FOR MORE THAN ONE ASSIGNEE**

The undersigned acknowledge 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 inventors have invented:

Title: **COMPOSITION FOR FORMING TOPCOAT LAYER AND RESIST PATTERN
FORMATION METHOD EMPLOYING THE SAME**

for which Inventors are 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.

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.

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

SEC Ref No. **IE-201309-030-1-US0**

Attorney Ref No. **249/1055**

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

Page 1 of 6

SAMSUNG ELECTRONICS CO., LTD.
AZ ELECTRONIC MATERIALS (LUXEMBOURG) S.A.R.L.

Power of Attorney: I/we hereby appoint as my attorneys, with full powers of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office practitioners associated with **Customer Number 27849**.

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, collectively referred to in Section II as Assignors in this section, hereby sell(s) and assign(s) to

Samsung Electronics Co., Ltd.

having an address at **129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742, Republic of Korea** (hereinafter designated as the Assignee), 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, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee 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 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;

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 without further or other compensation than that above set forth;

SEC Ref No. **IE-201309-030-1-US0**

Attorney Ref No. **249/1055**

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT
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166091 PATENT
REEL: 034229 FRAME: 0725

SAMSUNG ELECTRONICS CO., LTD.
AZ ELECTRONIC MATERIALS (LUXEMBOURG) S.A.R.L.

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, 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.

The undersigned hereby grant(s) the law firm of LEE & MORSE, PC 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.

Inventor(s)/Assignor(s) Signature(s) for Section II.

LEGAL NAME OF FIRST INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	KIM	Hyun-woo	
SIGNATURE <u>김현우</u> DATE <u>NOV. 21, 2014</u>			

LEGAL NAME OF SECOND INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	PARK	Cheol hong	
SIGNATURE <u>박철홍</u> DATE <u>NOV. 21, 2014</u>			

SEC Ref No. IE-201309-030-1-US0

Attorney Ref No. 249/1055

SAMSUNG ELECTRONICS CO., LTD.
AZ ELECTRONIC MATERIALS (LUXEMBOURG) S.A.R.L.

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AZ Electronic Materials (Luxembourg) S.a.r.l.

having an address at **32-36, Boulevard d' Avranches 1160 Luxembourg, Grand Duchy of Luxembourg** (hereinafter designated as the Assignee), 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, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee 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 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;

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COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT
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SAMSUNG ELECTRONICS CO., LTD.
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Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, 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.

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

LEGAL NAME OF FIRST INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	OKAYASU	Tetsuo	
SIGNATURE _____ DATE _____			

LEGAL NAME OF SECOND INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	WANG	Xiaowei	
SIGNATURE _____ DATE _____			

SEC Ref No. IE-201309-030-1-US0 Attorney Ref No. 249/1055

SAMSUNG ELECTRONICS CO., LTD.
AZ ELECTRONIC MATERIALS (LUXEMBOURG) S.A.R.L.

LEGAL NAME OF THIRD INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	PAWLOWSKI	Georg	
SIGNATURE _____ DATE _____			

LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	HAMA	Yusuke	
SIGNATURE _____ DATE _____			

SEC Ref No. IE-201309-030-1-US0 Attorney Ref No. 249/1055

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

SAMSUNG ELECTRONICS CO., LTD.
AZ ELECTRONIC MATERIALS (LUXEMBOURG) S.A.R.L.

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- ☒ 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.

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.

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

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Attorney Ref No. **249/1055**

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT
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**PATENT
REEL: 034229 FRAME: 0730**

SAMSUNG ELECTRONICS CO., LTD.
AZ ELECTRONIC MATERIALS (LUXEMBOURG) S.A.R.L.

Power of Attorney: I/we hereby appoint as my attorneys, with full powers of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office practitioners associated with **Customer Number 27849**.

Section II. Assignment

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Samsung Electronics Co., Ltd.

having an address at **129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742, Republic of Korea** (hereinafter designated as the Assignee), 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, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee 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 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;

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 without further or other compensation than that above set forth;

SEC RefNo. IE-201309-030-1-US0

Attorney RefNo. 249/1055

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

Page 2 of 6

PATENT
REEL: 034229 FRAME: 0731

SAMSUNG ELECTRONICS CO., LTD.
AZ ELECTRONIC MATERIALS (LUXEMBOURG) S.A.R.L.

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, 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.

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Inventor(s)/Assignor(s) Signature(s) for Section II.

LEGAL NAME OF FIRST INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	KIM	Hyun-woo	
SIGNATURE _____ DATE _____			

LEGAL NAME OF SECOND INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	PARK	Cheol hong	
SIGNATURE _____ DATE _____			

SEC Ref No. IE-201309-030-1-US0 Attorney Ref No. 249/1055

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AZ ELECTRONIC MATERIALS (LUXEMBOURG) S.A.R.L.

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having an address at **32-36, Boulevard d' Avranches 1160 Luxembourg, Grand Duchy of Luxembourg** (hereinafter designated as the Assignee), 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.

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SEC Ref No. IE-201309-030-1-US0

Attorney Ref No. 249/1055

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

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PATENT
REEL: 034229 FRAME: 0733

SAMSUNG ELECTRONICS CO., LTD.
AZ ELECTRONIC MATERIALS (LUXEMBOURG) S.A.R.L.

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

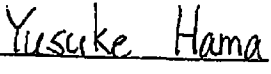
LEGAL NAME OF FIRST INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	OKAYASU	Tetsuo	
SIGNATURE <u>Tetsuo Okayasu</u> DATE <u>November 21, 2014</u>			

LEGAL NAME OF SECOND INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	WANG	Xiaowei	
SIGNATURE <u>Xiaowei Wang</u> DATE <u>November 21, 2014</u>			

SEC Ref No. IE-201309-030-1-US0 Attorney Ref No. 249/1055

SAMSUNG ELECTRONICS CO., LTD.
AZ ELECTRONIC MATERIALS (LUXEMBOURG) S.A.R.L.

LEGAL NAME OF THIRD INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	PAWLOWSKI	Georg	
SIGNATURE <u></u> DATE <u>November 21, 2014</u>			

LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	HAMA	Yusuke	
SIGNATURE <u></u> DATE <u>November 21, 2014</u>			

SEC Ref No. IE-201309-030-1-US0 Attorney Ref No. 249/1055

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