

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5104326

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
IN-GOO KANG	05/24/2018
SUNG-BAE KIM	05/28/2018
SUE-RYEON KIM	05/24/2018
BAIK-SOON CHOI	08/17/2018
YOUNG-TAEK HONG	05/29/2018
SANG-TAE KIM	05/30/2018
SUNG-MIN KIM	05/30/2018
KYONG-HO LEE	05/30/2018
HYUNG-PYO HONG	05/30/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SAMSUNG ELECTRONICS CO., LTD.
<b>Street Address:</b>	129, SAMSUNG-RO, YEONGTONG-GU
<b>City:</b>	SUWON-SI, GYEONGGI-DO
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	16677
<b>Name:</b>	DONGWOO FINE-CHEM CO., LTD.
<b>Street Address:</b>	132, YAKCHON-RO
<b>City:</b>	IKSAN-SI, JEOLLABUK-DO
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	54631
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15984050
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)293-7860
<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>	
<b>Phone:</b>	202-293-7060
<b>Email:</b>	SUGHRUE@SUGHRUE.COM

**Correspondent Name:** SUGHRUE MION, PLLC  
**Address Line 1:** 2100 PENNSYLVANIA AVENUE, N.W.  
**Address Line 2:** SUITE 800  
**Address Line 4:** WASHINGTON, D.C. 20037

**ATTORNEY DOCKET NUMBER:** Q239965

**NAME OF SUBMITTER:** TONNIE L. BYARS

**SIGNATURE:** /Tonnie L. Byars/

**DATE SIGNED:** 08/22/2018

This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 8**

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source=Q239965SubstituteStatementExecutedBaiksoonCHOI#page2.tif

**COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM<sup>1</sup>**

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: **COMPOSITION FOR REMOVING SILICONE RESINS AND METHODS OF THINNING SUBSTRATE BY USING THE SAME**

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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.

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<sup>1</sup> This form requires the use of an Application Data Sheet.

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SEC Ref No. IH-201507-004-1-US1 Attorney Ref No. Q239965

SAMSUNG ELECTRONICS CO., LTD.

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 Electronics Co., Ltd.**

having an address at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea,

**and**

**Dongwoo Fine-Chem Co., Ltd.**

having an address at 132, Yakchon-ro, Iksan-si, Jeollabuk-do, 54631, Republic of Korea,

(together 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

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SEC Ref No.           **IH-201507-004-1-US1**           Attorney Ref No.           **Q239965**

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;

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 Sughrue Mion, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 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) for Samsung Electronics Co., Ltd.

LEGAL NAME OF FIRST INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	KANG	In-goo	
SIGNATURE <u>Kang In-goo</u>		DATE <u>10. 5/24</u>	

SEC Ref No. III-201507-004-1-US1 Attorney Ref No. Q239965

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

LEGAL NAME OF SECOND INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	KIM	Sung-bae	
SIGNATURE <u>Kim, Sungbae</u> DATE <u>18. 05. 28</u>			

LEGAL NAME OF THIRD INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	KIM	Sue-ryeon	
SIGNATURE <u>Kim, Sueyeon</u> DATE <u>18. 5. 24</u>			

LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	CHOI	Baik-soon	
SIGNATURE _____ DATE _____			

SEC Ref No. III-201507-004-1-US1 Attorney Ref No. Q239965

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

LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	HONG	Young-taek	
<p>SIGNATURE <u>Hong Young-Taek</u> DATE <u>2018. 5. 29.</u></p>			

**Section IV. Inventor(s)/Assignor(s) Signature(s) for Dongwoo Fine-Chem Co., Ltd.**

LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	KIM	Sang-tae	
<p>SIGNATURE <u>Sang-tae Kim</u> DATE <u>30. May. 2018</u></p>			

LEGAL NAME OF SEVENTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	KIM	Sung-min	
<p>SIGNATURE <u>Sung-min Kim</u> DATE <u>2018. 5. 30</u></p>			

SEC Ref No. IH-201507-004-1-US1 Attorney Ref No. Q239965

LEGAL NAME OF EIGHTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
		LEE	Kyong-ho

SIGNATURE Kyongho-Lee DATE 2018. 5. 30

LEGAL NAME OF NINTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
		HONG	Hyung-pyo

SIGNATURE Hyung-pyo Hong DATE 2018. 5. 30

SEC Ref No. IH-201507-004-1-US1 Attorney Ref No. Q239965



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**SUBSTITUTE STATEMENT IN LIEU OF AN OATH OR DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (35 U.S.C. 115(d) AND 37 CFR 1.64)**

Title of Invention	COMPOSITION FOR REMOVING SILICONE RESINS AND METHOD OF THINNING SUBSTRATE BY USING THE SAME
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This statement is directed to:

The attached application,  
OR  
 United States application or PCT international application number 15/984,050 filed on May 18, 2018

LEGAL NAME of inventor to whom this substitute statement applies:  
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)  
**Baik-soon CHOI**

Residence (except for a deceased or legally incapacitated inventor):

City	<b>Anyang-si</b>	State		Country	<b>REPUBLIC OF KOREA</b>
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Mailing Address (except for a deceased or legally incapacitated inventor):  
**504-1702, 10, Burim-ro, Dongan-gu, Gyeonggi-do**

City	<b>Anyang-si</b>	State		Zip		Country	<b>REPUBLIC OF KOREA</b>
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I believe the above-named inventor or joint inventor to be the original inventor or an original joint inventor of a claimed invention in the application.

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

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

Relationship to the inventor to whom this substitute statement applies:

Legal Representative (for deceased or legally incapacitated inventor only),  
 Assignee,  
 Person to whom the inventor is under an obligation to assign,  
 Person who otherwise shows a sufficient proprietary interest in the matter (petition under 37 CFR 1.46 is required), or  
 Joint Inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1460, Alexandria, VA 22313-1460.  
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

## SUBSTITUTE STATEMENT

Circumstances permitting execution of this substitute statement:

- Inventor is deceased,  
 Inventor is under legal incapacity,  
 Inventor cannot be found or reached after diligent effort, or  
 Inventor has refused to execute the oath or declaration under 37 CFR 1.63.

If there are joint inventors, please check the appropriate box below:

- An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) naming the entire inventive entity has been or is currently submitted.

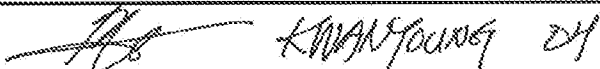
OR

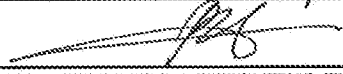
- An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) has not been submitted. Thus, a Substitute Statement Supplemental Sheet (PTO/AIA/11 or equivalent) naming the entire inventive entity and providing inventor information is attached. See 37 CFR 1.64(b).

### WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

PERSON EXECUTING THIS SUBSTITUTE STATEMENT: 제(원)/박세미/05086237

Name:  Date (Optional): 2018-08-13

Signature: 

APPLICANT NAME AND TITLE OF PERSON EXECUTING THIS SUBSTITUTE STATEMENT:

If the applicant is a juristic entity, list the applicant name and the title of the signer:

Applicant Name: Samsung Electronics Co., Ltd.

Title of Person Executing This Substitute Statement: Director of IP Prosecution Group, Samsung Electronics Co., Ltd.

The signer, whose title is supplied above, is authorized to act on behalf of the applicant.

Residence of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent):

City	State	Country
		Republic of Korea

Mailing Address of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent)

Samsung Electronics Co., Ltd., 129, Samsung-ro, Yeongtong-gu, Gyeonggi-do

City	State	Zip	Country
Suwon-si		16677	Republic of Korea

Note: Use an additional PTO/AIA/02 form for each inventor who is deceased, legally incapacitated, cannot be found or reached after diligent effort, or has refused to execute the oath or declaration under 37 CFR 1.63.