506052171 05/08/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6098885

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SERA KIM	02/10/2020
JI HO HAN	02/12/2020
KWANG JOO LEE	02/13/2020

RECEIVING PARTY DATA

Name:	LG CHEM, LTD.	
Street Address:	128, YEOUI-DAERO, YEONGDEUNGPO-GU	
City:	SEOUL	
State/Country:	KOREA, REPUBLIC OF	
Postal Code:	07336	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16762863

CORRESPONDENCE DATA

Fax Number: (202)783-6031

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.

Phone: 2027836040

Email: knogami@rfem.com

ROTHWELL, FIGG, ERNST & MANBECK, P.C. **Correspondent Name:**

Address Line 1: 607 14TH STREET, N.W., SUITE 800

Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER:	3570-610
NAME OF SUBMITTER:	AYDIN H. HARSTON, PH.D. (REG. NO. 65249)
SIGNATURE:	/Aydin H. Harston/
DATE SIGNED:	05/08/2020

Total Attachments: 8

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> **PATENT REEL: 052615 FRAME: 0573**

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> PATENT REEL: 052615 FRAME: 0574

COMBINED DECLARATION (37 CFR §1.63) 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: ADHESIVE SHEET FOR TEMPORARY FIXATION AND METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE 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
***	PCT international patent application number <u>PCT/KR2019/003668</u> , filed on <u>March 28, 2019</u> .
The above-io	dentified application was made or authorized to be made by me (us).
	e that I am (we are) the original inventor (original joint inventors) of a claimed invention in lentified application.
I (we) heret	by acknowledge that any willful false statement made in this declaration is punishable
i This form re	squires the use of an Application Data Sheet.
LG CHEM Re	f No. P2017-3629PCU3 (Partfolio : Semiconductor Processing Film) Attorney Ref No. 3570-610

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM
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PATENT REEL: 052615 FRAME: 0575 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.

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

LG CHEM, LTD.

having an address at 128, Yeoui-daero, Yeongdeungpo-gu, Seoui 07336, Republic of 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;

LG CHEM Ref No. P2017-3629PCUS (Portfelio: Semiconductor Processing Film)

Attorney Ref No. 3570-610

COMBINED DECLARATION (37 CFR 1 63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM

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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 **ROTHWELL, FIGG, ERNST & MANBECK, P.C.** 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.

LG CHEM Ref No. P2017-3629PCUS (Partfolio : Semiconductor Processing Film)

Attorney Ref No. 3570-610

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM
Page 3 of 4

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

LEGAL NAME OF	Full Name Sera KIM	
FIRST INVENTOR/ASSIGNOR		
SIGNATURE	7,3km DATE 2.020.2.10	
LEGAL NAME OF	Full Name	
SECOND INVENTOR/ASSIGNOR	Ji Ho HAN	
SIGNATURE	DATE	
LEGAL NAME OF	Full Name	
THIRD INVENTOR/ASSIGNOR	Vinna las (EE	
SIGNATURE	DATE	

LG CHEM Ref No. P2017-3629PCUS (Portfolio : Semiconductor Processing Film)

Attorney Ref No. 3570-610

COMBINED DECLARATION (37 CFR. 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM
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PATENT REEL: 052615 FRAME: 0578

COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM¹

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٥	U.5. non-provisional patent application number, filed on, or
***	PCT international patent application number <u>PCT/KR2019/003668</u> , filed on <u>March 28, 2019</u> .
The above-ic	lentified application was made or authorized to be made by me (us).
	e that I am (we are) the original inventor (original joint inventors) of a claimed invention in entified application.
l (we) hereb	y acknowledge that any willful false statement made in this declaration is punishable
1 This form re	equires the use of an Application Data Sheet.
LG CHEM Re	f No. P2017-3629PCUS (Portfolio : Semiconductor Processing Film) Attorney Rel No. 3570-610

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM
Page 1 of 4

under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

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COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM
Page 2 of 4



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;

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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(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).

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Attorney Ref No. 3570-610

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

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

LEGAL NAME OF FIRST	Full Name	
INVENTOR/ASSIGNOR	Sera KIM	
SIGNATURE		DATE
LEGAL NAME OF	Full Name	
SECOND INVENTOR/ASSIGNOR	Ji Ho HAN	
SIGNATURE	2) al ž	DATE
LEGAL NAME OF	I	Full Name
THIRD INVENTOR/ASSIGNOR	Kw	vang Joo LEE
SIGNATURE	01 8 F	DATE

LG CHEM Ref No. P2017-3629PCUS (Portfolio: Semiconductor Processing Film)

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