

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5776901

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the APPLICATION NUMBER ON THE PATENT ASSIGNMENT COVER SHEET, WHICH SHOULD NOT READ 15/766,042 previously recorded on Reel 045799 Frame 0057. Assignor(s) hereby confirms the THE CORRECT APPLICATION NUMBER IS 15/776,042.

## CONVEYING PARTY DATA

Name	Execution Date
JI YOUNG HWANG	05/03/2018
HAN MIN SEO	05/03/2018
NAM SEOK BAE	05/03/2018
SEUNG HEON LEE	05/03/2018
DONG HYUN OH	05/03/2018
CHAN HYOUNG PARK	05/03/2018
KI-HWAN KIM	05/03/2018
ILHA LEE	05/03/2018

## RECEIVING PARTY DATA

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

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15776042

## CORRESPONDENCE DATA

**Fax Number:** (619)595-8135

*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:** (619) 595-8032

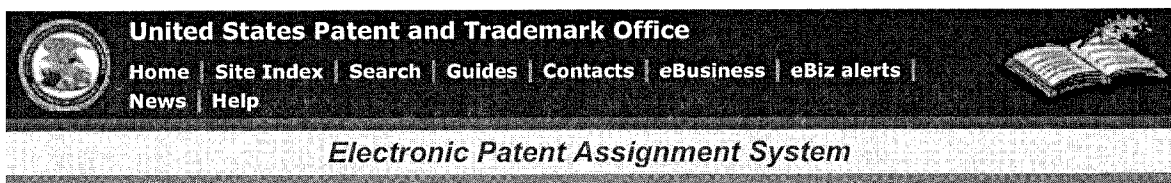
**Email:** MLAIP@DENTONS.COM

**Correspondent Name:** RENZO N. ROCCHEGIANI

**Address Line 1:** DENTONS US LLP

**Address Line 2:** 4655 EXECUTIVE DRIVE, SUITE 700

<b>Address Line 4:</b> SAN DIEGO, CALIFORNIA 92121	
<b>ATTORNEY DOCKET NUMBER:</b>	29137.02643.US00
<b>NAME OF SUBMITTER:</b>	RENZO N. ROCCHEGIANI
<b>SIGNATURE:</b>	/Renzo N. Rocchegiani/
<b>DATE SIGNED:</b>	10/18/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 4</b> source=29137-02643-US00-Assignment#page1.tif source=29137-02643-US00-Assignment#page2.tif source=29137-02643-US00-Assignment#page3.tif source=29137-02643-US00-Assignment#page4.tif	



## Confirmation Receipt

Your assignment has been received by the USPTO.  
The coversheet of the assignment is displayed below:

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT																		
NATURE OF CONVEYANCE:	ASSIGNMENT																		
CONVEYING PARTY DATA																			
<table><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>JI YOUNG HWANG</td><td>05/03/2018</td></tr><tr><td>HAN MIN SEO</td><td>05/03/2018</td></tr><tr><td>NAM SEOK BAE</td><td>05/03/2018</td></tr><tr><td>SEUNG HEON LEE</td><td>05/03/2018</td></tr><tr><td>DONG HYUN OH</td><td>05/03/2018</td></tr><tr><td>CHAN HYOUNG PARK</td><td>05/03/2018</td></tr><tr><td>KI-HWAN KIM</td><td>05/03/2018</td></tr><tr><td>ILHA LEE</td><td>05/03/2018</td></tr></tbody></table>	Name	Execution Date	JI YOUNG HWANG	05/03/2018	HAN MIN SEO	05/03/2018	NAM SEOK BAE	05/03/2018	SEUNG HEON LEE	05/03/2018	DONG HYUN OH	05/03/2018	CHAN HYOUNG PARK	05/03/2018	KI-HWAN KIM	05/03/2018	ILHA LEE	05/03/2018	
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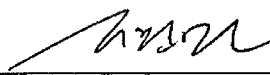
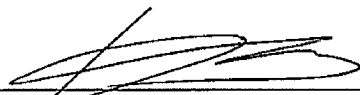
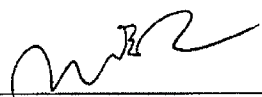
Property Type	Number
Application Number:	<del>15766042</del> 15776042
<b>CORRESPONDENCE DATA</b>	
Fax Number:	(619)595-8135
Phone:	6195958028
Email:	mlaip@dentons.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	RENZO N. ROCCHEGIANI
Address Line 1:	DENTONS US LLP
Address Line 2:	4655 EXECUTIVE DRIVE, SUITE 700
Address Line 4:	SAN DIEGO, CALIFORNIA 92121
ATTORNEY DOCKET NUMBER:	29137.02643.US00
NAME OF SUBMITTER:	RENZO N. ROCCHEGIANI
Signature:	/Renzo N. Rocchegiani/
Date:	05/14/2018
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 2 source=2643_dec_asn#page1.tif source=2643_dec_asn#page2.tif	
<b>RECEIPT INFORMATION</b>	
EPAS ID:	PAT4960530
Receipt Date:	05/14/2018

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<b>DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION</b>		Attorney Docket Number: P2015-3614PCUS
Title of Invention:	FILM MASK, METHOD FOR MANUFACTURING SAME, AND METHOD FOR FORMING PATTERN USING FILM MASK	
<p>As the below-named inventor(s) (hereinafter designated as the undersigned), I/We hereby declare that:</p> <p>This declaration is directed to:</p> <p><input type="checkbox"/> The attached application, or</p> <p><input checked="" type="checkbox"/> United States application or PCT international application number <u>PCT/KR2017/001029</u>, filed on <u>January 31, 2017</u>.</p> <p>The above-identified application was made or authorized to be made by me/us.</p> <p>I/We believe that I am/We are the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>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.</p> <p>Whereas, the undersigned as a sole inventor (if only one name is listed below) or as a joint inventor (if plural names are listed below) has invented certain new and useful improvements in the application identified above.</p> <p>And, whereas LG CHEM, LTD., ("assignee"), a corporation of Korea whose mailing address is 128, Yeoui-daero, Yeongdeungpo-gu, Seoul 07336, Republic of Korea, is desirous of acquiring the entire right, title, and interest in the same.</p> <p>Now, in consideration of the sum of five dollars, and for other good and valuable consideration, the receipt whereof is hereby acknowledged, I/We, by these presents hereby agree to sell, assign, and transfer unto assignee, and assignee's heirs, successors, and assigns, the full and exclusive right to said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all provisional, non-provisional, divisional, continuation, continuation-in-part, substitute, and reissue applications, and all Letters Patent, extensions, reissues, and reexamination certificates which may be granted therefore in the United States and its territorial possessions and in any and all foreign countries.</p> <p>I/We hereby authorize and request the Patent Office Officials in the United States and Its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to assignee as the assignee of my/our entire right, title, and interest in and to the same, for the sole use and behalf of assignee, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me/us had this Assignment and sale not been made.</p> <p>Further, I/We agree that I/We will communicate to said assignee or its (his) representatives any facts known to me/us respecting said invention, and perform all affirmative acts which may be necessary in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to assignee, make all rightful oaths, and, generally do everything possible to aid assignee, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.</p> <p>The undersigned hereby grant(s) the firm of Dentons US LLP, Attorneys at Law, 1900 K Street, N.W., Washington, D.C. 20006 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.</p>		



1. Date: 18. 05. 03   
Name HWANG, Ji Young (Signature of Inventor)
2. Date: 18. 05. 03   
Name SEO, Han Min (Signature of Inventor)
3. Date: 18. 05. 03 한 남석  
Name BAE, Nam Seok (Signature of Inventor)
4. Date: 18. 05. 03 Seung Heon Lee  
Name LEE, Seung Heon (Signature of Inventor)
5. Date: 18. 05. 03 O.H. Oh  
Name OH, Dong Hyun (Signature of Inventor)
6. Date: 18. 05. 03   
Name PARK, Chan Hyoung (Signature of Inventor)
7. Date: 18. 05. 03 Ki Hwan Kim  
Name KIM, Ki-Hwan (Signature of Inventor)
8. Date: 18. 5. 3   
Name LEE, Ilha (Signature of Inventor)

