PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
JI HYUN KIM	05/30/2016

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15102984

CORRESPONDENCE DATA

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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.

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Correspondent Name: LDLK&M

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ATTORNEY DOCKET NUMBER:	LGCHEM 3.3F-808	
NAME OF SUBMITTER:	MELINDA C. CORMIER	
SIGNATURE:	/Melinda C. Cormier/	
DATE SIGNED:	06/10/2016	

Total Attachments: 2

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PATENT 503866142 REEL: 038879 FRAME: 0180

DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATIONS		Attorney Docket Number: LGCHEM 3.3F-808		
Title of Invention POUCH TY	PE SECONDARY BATTE	RY AND MANUFACTURING METHOD THEREOF		
This declaration is directed to: The attack United S	ched application, or	nated as the undersigned), I/We hereby declare that: sernational application number PCT/KR2015/010069		
The above-identified application	n was made or authorized to	o be made by me/us.		
I/We believe that I am the origi	nal inventor or an original jo	int inventor of a claimed invention in the 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.				
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.				
AND, WHEREAS LG Chem, Ltd., (hereinafter referred to as assignee), a corporation of Korea whose malling address is 128, Yeoul-daero; Yeongdeungpo-gu; Seoul; REPUBLIC OF KOREA 07336 is desirous of acquiring the entire right, title and interest in the same.				
NOW, THEREFORE, in consideration of the sum of one dollar, the receipt wherof is acknowledged, and other good and valuable consideration, the undersigned hereby sell(s), assign(s) and set(s) over to said assignee my/our entire right, title and interest for the United States of America and all other countries in and to said Invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me/us and my/our legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the e				
WARNING: According to 37 C.F.R. § 1.63(c), "[a] person may not execute an oath or declaration unless the person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all Information known to the person to be material to patentability as defined in §1.56."				
FULL NAME OF INVEN	ITOR(S)			
Inventor one: <u>Ji Hy</u> Signature:	un Kim 7 1/2/34	Date: <u>May, 30th</u> , 2016		
	or a legal representative are b	eing named on additional form(s) attached hereto.		
<u> </u>	RNINGS ON THE LAST PAG			

DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATIONS	ADDITIONAL INVENTOR(S) Supplemental Sheet
Inventor two:	Date:
Signature:	
Inventor three:	
Signature:	
Inventor four:	Dele
Signature:	
Inventor five:	
Signature:	
Inventor six:	
Signature:	
Inventor seven:	
Signature:	
Inventor eight:	
Signature:	
Inventor nine:	
Signature:	
Inventor ten:	
Signature:	
WARNING: According to 37 C.F.R. § 1.63(c), "[a] person may not execute an oath or declar contents of the application, including the claims, and is aware of the duty to disc material to patentability as defined in §1.56." Petitioner/applicant is cautioned to avoid submitting personal information in doc identity theft. Personal information such as social security numbers, bank accordit card authorization form PTO-2038 submitted for payment purposes) is never the process of the content of the conte	ation unless the person has reviewed and understands the close to the Office all information known to the person to be uments filed in a patent application that may contribute to count numbers, or credit card numbers (other than a check or or required by the USPTO to support a petition or an application. If
this type of personal information is included in documents submitted to the USP personal information from the documents before submitting them to the USPTO application is available to the public after publication of the application (unless a made in the application) or issuance of a patent. Furthermore, the record from if the application is referenced in a published application or an issued patent (PTO-2038 submitted for payment purposes are not retained in the application.	. Petitioner/applicant is advised that the record of a patent a non-publication request in compliance with 37 CFR 1.213(a) is an abandoned application may also be available to the public (see 37 CFR 1.14). Checks and credit card authorization forms