## 502911787 07/29/2014

# **PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2958385

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	VEYANCE: ASSIGNMENT	

#### **CONVEYING PARTY DATA**

Name	Execution Date
SU-JIN YOON	09/21/2009
JEONG-JU CHO	08/11/2009
HO-CHUN LEE	05/28/2009

## **RECEIVING PARTY DATA**

Name:	LG CHEM, LTD.	
Street Address:	20, YOIDO-DONG	
Internal Address:	YOUNGDUNGPO-GU	
City:	SEOUL	
State/Country:	KOREA, REPUBLIC OF	
Postal Code:	150-721	

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14330204

## **CORRESPONDENCE DATA**

**Fax Number:** (908)654-7866

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:** (908) 518-6320

Email: Assignment@ldlkm.com

Correspondent Name: LDLK&M

Address Line 1: 600 SOUTH AVENUE WEST

Address Line 4: WESTFIELD, NEW JERSEY 07090

ATTORNEY DOCKET NUMBER:	LGCHEM 3.3-092 DIV (E)	
NAME OF SUBMITTER:	KELLY Y. HWANG	
SIGNATURE:	/Kelly Y. Hwang/	
DATE SIGNED:	07/29/2014	

## **Total Attachments: 3**

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PATENT 502911787 REEL: 033411 FRAME: 0474

	former PTCVSB/15 (8-00) Modified Lidi, Ken.	
ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)	
Whereas, I, YOON, Su-Jin	of	
51-4, Jeongia-dong, Bundang-ou, Seongnam-si, Gyer	and the same of th	
hereafter referred to as assignor, have with others invented cert	Bin new and upositifernation and it.	
NON-AQUEOUS ELECTROLYTE AND ELECTROCHEMIC	CAL DEVICE COMBRIGING THE SAME	
for which an application for a United States Letters Pate		
Application Number	and and such ou	
for which an application for a United States Letters Pater	nt was executed by me on	
x for which an International Application was filed on	4	
PCT/KR2007/004533 , designating the United	States	
And		
Whereas, LG Chem, Ltd.		
a corporation of Korea, Republic of herein referred to as assign 20, Yoldo-dong, Youngdungpo-gu, Secul 150-721, Re	nee" whose mailing address is public of Korea	
is desirous of acquiring the entire right, title and interest in the sa		
NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whered is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to sall assignee my entire right, title and interest for the United States of America and all other countries in and to sall invention and the aforesald utility patent application and all original, divisional, confinuation, substitute or reissus applications and patents applications and patents applications and patents of 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 pateinfringement with the right to sue for and collect the same for its own use and the use of its successors, assigns an 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 the said assignee herein, as assignee of the entire interest therefor, and the undersigned for me and my legal assignee herein, as assigns do hereby agree and covenant without further remuneration, to execute and delive representatives, heirs and assignee or its assigns, to communicate to said assignee or its representatives all fact known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or othe legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make a rightful daths, and to do generally everything necessary to ald assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be born and paid by said assignee.		
And I do hereby authorize my attorneys to Insert on this deed the when known.	e filing date and application number of said application	
2007/09/21	Me)	
Date	YOON, Su-Jin	
1/2		
Witness		
Jo, leyong-Nam		
Typed Name of Witness		
44444		
X *Total of 3 forms are submitted.		

REEL: 033411 FRAME: 0475

	former PTO/S8/15 (8-00) Modified I DLK8.A	
ASSIGNMENT OF UTILITY APPLICATION	Dockel Number (Optional)	
Wherees, II. CHO, Jeong-Ju 108-120II, Daedeok Techno Valley Aparlment, Gwang Republic of Korea	yeong-dong, Vuseung-qui Daejeon 305-509.	
herealter referred to as assignor, have with others invented	certain new and assital improvements in	
NON-AQUEOUS ELECTROLYTE AND ELECTROCH	EMICAL DEVICE COMPRISING THE SAME	
Emwhich an application for a United States Letters	; Palent was: filed co	
Application Number		
from which an application for a United States Letters Patent was executed by me on		
x for which an International Application was filed	on September 19, 2007 , as	
PCTi/KR2007/004533 , designating the U	niled States.	
Whereas, LG Chem. Ltd.	-	
a comporation of Korea, Republic of herein referred to as "a 20, Worldondong, Youngdungpo-gu, Seoul 160-721		
isdesirous of acquiring the entire right, title and interest in t	he same:	
invention and the aforesaid utility patent application and applications and patents applied for or granted therefor in said invention, including without limitation all applications at the aforesaid utility application pursuant to any law or treating the property of the same legal representatives, and including the right to claim such the property of the said assignee therein, as assignee of the entire interrepresentatives, heirs and assignee of the entire interrepresentatives, heirs and assigns do hereby agree and continuation, relssue and other applications of the entire undersigned respecting said improvements, they are treating in which any of said applications or pater rightful caths, and to do generally everything necessary.	Stakes of America and all other countries in and to said all original, divisional, continuation, substitute or reissue in the United. States of America and all other countries, for and patents for said invention daiming priority or benefit of the part including all claims for damages by reason of past for its own use and the use of its successors, assigns and in priority or benefit and the Commissioner of Patents and all patents on said improvements or resulting therefrom to set therefor, and the undersigned for me and my legal venant without further namuneration, to execute and deliver plications for Lettess Patent on said improvements and all minutants to said assignee or its representatives all facts whenever requested, to testify in any interferences or other his may become involved, to sign all lawful papers, make all to aid assignee, its successors, assigns and rominees to ries, the expenses incident to said applications to be borne	
Athelif discheneiby authorize my attorneys to insert on this de- when known.	90 the filing date and application number of sald application	
11.4. 1900		
Date	ClifO, Jeong-Ju	
10		
Witness		
30, kyong-Nam		
Typed Name of Wilness		

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forms are submitted.

**PATENT** 

**REEL: 033411 FRAME: 0476** 

former PTO/SB/15 (8-00) Modified LDLX8M Docket Number (Optional) ASSIGNMENT OF UTILITY APPLICATION Whereas, I, LEE, Ho-Chun 508-1803, Sindonga Familie Apartment, Gwanpyeong-dong, Yuseong-gu, Daeieon 305-745, Republic of hereafter referred to as assignor, have with others invented certain new and useful improvements in NON-AQUEOUS ELECTROLYTE AND ELECTROCHEMICAL DEVICE COMPRISING THE SAME for which an application for a United States Letters Patent was filed on Application Number for which an application for a United States Letters Patent was executed by me on x for which an International Application was filed on September 19, 2007 , as PCT/KR2007/004533 , designating the United States. And Whereas, LG Chem, Ltd. a corporation of Korea, Republic of herein referred to as "assignee" whose mailing address is 20, Yoldo-dong, Youngdungpo-gu, Seoul 150-721, Republic of Korea is desirous of acquiring the entire right, title and interest in the same; ), the receipt whereof NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my 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 and my 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 expenses incident to said applications to be borne and paid by said assignee. And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known. LEE, Ho-Chun Jo, ky. ng-Now Typed Name of Witness

forms are submitted.

PATENT REEL: 033411 FRAME: 0477

RECORDED: 07/29/2014

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\*Total of

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