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Form PTO-1595 (Kev. 03-11) OMB No. 0651-0027 (exp. 03/31/2015)	U.S. DEPARTMENT OF COMMERCE United States Patent and Tradsmark Office				
RECORDATION FOR					
PATENTS ONLY					
To the Director of the U.S. Patent and Trademark Office; Please record the attached documents or the new address(es) below.					
Name of conveying party(ies):	2. Name and address of receiving party(ies)				
Jeong-Min Ha (12/03/2012), Kee-Young Kim (12/03/2012), Byeong-Gyu Cho (12/03/2012), Sun-Mi Jin (12/03/2012),	Name: LG Chem, Ltd. Internal Address:				
Additional name(s) of conveying party(ies) attached? X Yes No	Street Address:				
3. Nature of conveyance/Execution Date(s):	LG Twin Towers				
Execution Date(s): in parentheses after inventor name	20, Yeouido-dong Yeongdeungpo-gu				
Assignment Merger Change of Name					
Security Agreement Joint Research Agreement	City: Seoul				
Government Interest Assignment	State:				
Executive Order 9424, Confirmatory License	Country: Republic of Korea Zip: 150-721				
Other	Additional name(s) & address(es) Yes X No stached?				
A. Patent Application No.(s) 13/621,399  Additional numbers attached?	B. Patent No.(s)				
5. Name and address to whom correspondence concerning document should be malled:	6. Total number of applications and patents involved:				
Name: Kelly Y. Hwang LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00				
Internal Address: Atty. Dkt.: LGCHEM 3,9-260 CON					
Street Address: 600 South Avenue West	X Authorized to be charged to deposit account     Enclosed     None required (government interest not affecting title)				
City: Westfield	8. Payment Information				
State: NJ Zip: 07090					
Phone Number: 908-654-5000					
Fax Number: 908-654-7866	Deposit Account Number 12-1095				
Email Address: ataylor@ldlkm.com	Authorized User Name Kelly Y. Hwang				
9. Signature:					
Kelly Y. Hwang - 51,831	Total number of pages including cover sheet, attachments, and documents:				
Name of Person Signing	Accessed Academic control about population reserved				

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RECORDATION FORM COVER SHEET (PTO-1595) (supplemental sheet)					
Additional Conveying Party(ies)/Execution Date(s) (1. Continued):					
No-Ma Kim (12/03/2012), Jong-Hun Kim (12/03/2012), and Byoung-Jin Shin (12/03/2012)					
Additional Assignees	(2. Continued):	-			
Assignee Name:					
Internal Address:					
Street Address:					
City:	State:	Country:	Zip:		
Assignee Name:					
Internal Address:					
Street Address:					
City:	State:	Country:	<b>Z</b> ip:		
Assignee Name:			***************************************		
Internal Address:					
Street Address:					
City:	State:	Country:	Zip:		
Additional Applications and/or Patents (4. Continued):					
Additional Patent Application Numbers 4A. Continued:		Additional Patent Numbers 4B. Continued:			
	Additional number	s attached? Yes No	***************************************		

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Docket No.: LGCHEM 3.9-280 CON

**REEL: 029583 FRAME: 0508** 

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PATENT REEL: 029583 FRAME: 0509



SUPPLEMENTAL SHEET

## **LGCHEM 3.9-280 CON**

DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATIONS	ADDITIONAL INVENTOR(S) Supplemental Sheet		
Inventor two: Kee-Young Kim Signature:	Date: 12/03/2017		
Inventor three: Byeong-Gyu Cho Signature:	Date: 12.03.2012		
Inventor four: Sun-Mi Jin Signature: Sun-Mi Jin	Date: 12.03.2012		
Inventor five: No-Ma Kim Signature: Aben Chi	Date: <u>Dec. 03. 2012</u>		
Inventor six: Jong-Hun Kim Signature:	Date: 12 - 03 20/7_		
Inventor seven: Byoung-Jin Shin Signature:			
Inventor eight:	Date:		
Inventor nine: Signature:	Date:		
Inventor ten: Signature:	Date:		
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 be material to patentability as defined in 1.56."  Petitioner/applicant is cautioned to avoid submitting personal information in documents filled 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, petitioner/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 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.			

Page 2 of 2

**PATENT** 

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**RECORDED: 12/19/2012**