

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT																		
NATURE OF CONVEYANCE:	ASSIGNMENT																		
CONVEYING PARTY DATA																			
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>JI-YOUNG HWANG</td> <td>10/05/2011</td> </tr> <tr> <td>IN-SEOK HWANG</td> <td>10/05/2011</td> </tr> <tr> <td>DONG-WOOK LEE</td> <td>10/05/2011</td> </tr> <tr> <td>MIN-CHOON PARK</td> <td>10/05/2011</td> </tr> <tr> <td>SEUNG-HEON LEE</td> <td>10/05/2011</td> </tr> <tr> <td>SANG-KI CHUN</td> <td>10/05/2011</td> </tr> <tr> <td>YONG-KOO SON</td> <td>10/05/2011</td> </tr> <tr> <td>BEOM-MO KOO</td> <td>10/05/2011</td> </tr> </tbody> </table>		Name	Execution Date	JI-YOUNG HWANG	10/05/2011	IN-SEOK HWANG	10/05/2011	DONG-WOOK LEE	10/05/2011	MIN-CHOON PARK	10/05/2011	SEUNG-HEON LEE	10/05/2011	SANG-KI CHUN	10/05/2011	YONG-KOO SON	10/05/2011	BEOM-MO KOO	10/05/2011
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RECEIVING PARTY DATA																			
Name:	LG CHEM LTD.																		
Street Address:	20 YOIDO-DONG, YOUNGDUNGPO-GU																		
City:	SEOUL																		
State/Country:	KOREA, REPUBLIC OF																		
Postal Code:	150-721																		
PROPERTY NUMBERS Total: 1																			
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14080980</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14080980														
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Application Number:	14080980																		
CORRESPONDENCE DATA																			
Fax Number:	(202)496-7756																		
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<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>																			
Correspondent Name:	MCKENNA LONG & ALDRIDGE LLP																		
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Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20006																		

CH \$40.00 14080980

ATTORNEY DOCKET NUMBER:	29137.00783.US21
NAME OF SUBMITTER:	MARK R. KRESLOFF
Signature:	/Mark R. Kresloff/
Date:	11/15/2013
Total Attachments: 6 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif source=Assignment#page6.tif	

Assignment of Application

WHEREAS, I (WE)	HWANG, Ji-Young, HWANG, In-Seok, LEE, Dong-Wook, PARK, Min-Choon, LEE, Seung-Heon, CHUN, Sang-Ki, SON, Yong-Koo and KOO, Beom-Mo
	, respectively;
have invented certain new and useful improvements in:	
CONDUCTIVE PATTERN AND MANUFACTURING METHOD THEREOF	
for which an application for Letters Patent was executed on	

(Application No.	13/148, 251	, Filed	August 5, 2011), and
WHEREAS,	LG CHEM, LTD.			
(hereinafter referred to as "ASSIGNEE") having a place of business at: 20, Yoido-dong, Youngdungpo-gu, Seoul, 150-721, Republic of Korea				

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the 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 divisions, reissues, continuations, substitutions and renewals thereof.

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 said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said 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.

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 testify 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 said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said 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.

The undersigned hereby grant(s) the firm of McKenna Long & Aldridge 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.

Date: _____
(Signature of Inventor) _____
HWANG, Ji-Young

Date: _____
(Signature of Inventor) _____
HWANG, In-Seok

Date: Oct. 5. 2011
(Signature of Inventor) 
LEE, Dong-Wook

Date: _____
(Signature of Inventor) _____
PARK, Min-Choon

Date: _____
(Signature of Inventor) _____
LEE, Seung-Heon

Date: _____
(Signature of Inventor) _____
CHUN, Sang-Ki

Date: _____
(Signature of Inventor) _____
SON, Yong-Koo

Date: _____
(Signature of Inventor) _____
KOO, Beom-Mo

McKenna Long & Aldridge LLP
Attorneys At Law
1900 K Street, N.W.
Washington, D.C. 20006

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LEE, Dong-Wook

Date: Oct. 5. 2011

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PARK, Min-Choon

Date: Oct. 5. 2011

(Signature of Inventor)

LEE, Seung-Heon

Date: Oct. 5. 2011

(Signature of Inventor)

CHUN, Sang-Ki

Date: Oct. 5. 2011

(Signature of Inventor)

SON, Yong-Koo

Date: Oct. 5. 2011

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KOO, Beom-Mo



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