## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
SUNG KYU LEE	06/30/2014
JOON HO SHIN	06/30/2014
JONG KU LEE	06/30/2014

### **RECEIVING PARTY DATA**

Name:	LG CHEM, LTD.
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State/Country:	KOREA, REPUBLIC OF
Postal Code:	150-721

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

Property Type	Number
Application Number:	14443591

### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	29137.01815.US00	
NAME OF SUBMITTER:	MATTHEW T. BAILEY	
SIGNATURE:	/Matthew T. Bailey/	
DATE SIGNED:	05/18/2015	

**Total Attachments: 2** source=assign#page1.tif source=assign#page2.tif

PATENT 503311566 REEL: 035662 FRAME: 0452

# Assignment of Application

WHEREAS, I (WE)	(WE) LEE, Sung Kyu; SHIN, Joon Ho and LEE, Jong Ku		
		, respectively,	
have invented certain n	ew and useful improvements in:		
	DEVICE FOR PREPARING ALK	ANOL	
for which an applicatio	n for Letters Patent was executed on		
(Application No.	, Filed	), and	
WHEREAS, LG	CHEM, LTD.		
•	as "ASSIGNEE") having a place of ngdeungpo-gu, Seoul 150-721, Rep		

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.

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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: June 30. 2014

Date: June 30. 30/4

(Signature of inventor)

SHIN, Joon Ho

Date: Jiame / 2. / 2014

(Signature of inventor)

LEE, Jong Ku

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

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