

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	KERFEGAR K. KATRAK	07/18/2017
RECEIVING PARTY DATA		
Name:	LG CHEM, LTD.	
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City:	SEOUL	
State/Country:	KOREA, REPUBLIC OF	
Postal Code:	150-721	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15657357
CORRESPONDENCE DATA		
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DATE SIGNED:	07/24/2017	
Total Attachments: 2		
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source=PHI0143US_Signed_assignment#page2.tif		

ASSIGNMENT

WHEREAS I, Kerfegar K. Katrak of 16359 Sleepy Hollow Drive, Fenton, MI 48430 (hereinafter referred to as "ASSIGNOR"); have invented certain new and useful improvements in:

**VOLTAGE MONITORING SYSTEM UTILIZING A COMMON CHANNEL AND
EXCHANGED ENCODED CHANNEL NUMBERS TO CONFIRM VALID
VOLTAGE VALUES**

for which I am about to file an application for Letters Patent of the United States;

AND WHEREAS, **LG Chem, Ltd.** (hereinafter referred to as "ASSIGNEE"), a corporation organized and existing under the laws of the Country of Republic of Korea, having a place of business at **128, Yeoui-daero, Yeongdeungpo-Gu, Seoul, Republic of Korea 150-721**, is desirous of acquiring an interest in the United States and all foreign countries, in and to the said invention and Letters Patent to be obtained therefor;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, the receipt of which is hereby acknowledged, I, the said ASSIGNOR have assigned and transferred, and hereby assign and transfer unto the said ASSIGNEE, the entire right, title and interest in and to said invention in the United States and in all foreign countries, including priority rights, as fully set forth and described in said application; and I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent on said application, and any and all Letters Patent that may be issued upon any and all revivals, refilings, continuations, continuations-in-part, divisions and reissues thereof, to the said ASSIGNEE, an assignee of the entire right, title and interest in and to the same, for the sole use and behoof of ASSIGNEE, its successors and assigns; and I do hereby agree that the said ASSIGNEE, may apply for foreign Letters Patent on said invention and that I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by the said ASSIGNEE, its successors or assigns, and that I will, at the cost and expense of the said

ASSIGNEE fully assist and cooperate in all matters in connection with the United States and foreign applications and patents issuing thereon.

The undersigned declare that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: July 18, 2017

Kk Katrak L.S.
Kerfegar K. Katrak