

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5213954

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	LG ELECTRONICS INC.	10/18/2018
RECEIVING PARTY DATA		
Name:	LG CHEM, LTD.	
Street Address:	128, YEOUNI-DAERO, YEONGDEUNGPO-GU	
City:	SEOUL	
State/Country:	KOREA, REPUBLIC OF	
Postal Code:	07336	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Patent Number:	9610545
CORRESPONDENCE DATA		
Fax Number:	(703)766-3644	
<i>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.</i>		
Phone:	7037663777	
Email:	ked-docket@ked-iplaw.com	
Correspondent Name:	KED & ASSOCIATES, LLP	
Address Line 1:	P.O. BOX 8638	
Address Line 4:	RESTON, VIRGINIA 20195	
ATTORNEY DOCKET NUMBER:	P-1333	
NAME OF SUBMITTER:	DANIEL Y.J. KIM	
SIGNATURE:	/Daniel Y.J. Kim/	
DATE SIGNED:	10/30/2018	
Total Attachments: 2		
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COMPANY-TO-COMPANY ASSIGNMENT - PATENTS AND/OR APPLICATIONS

ASSIGNMENT

WHEREAS, **LG ELECTRONICS INC.**, a company of **Seoul, Republic of Korea** (hereinafter called "Assignor") is the owner in entirety by assignment duly recorded in the United States Patent and Trademark Office at the Reel and Frame(s) indicated below of the following United States Letters Patent(s) and/or patent application(s) (hereinafter called "Patent Properties"):

PATENT NUMBER	DATE OF ISSUE	NAMED INVENTORS	REEL/FRAME
9,610,545	April 4, 2017	Junseok LEE; Sumin LEE; Hyunhwan OH; Changho LEE; and Minjoung KIM	034855/0378

The undersigned has reviewed all the documents in the chain of title identified above; and to the best of the undersigned's knowledge and belief, title is in the Assignor. The undersigned is empowered to sign this Assignment on behalf of the Assignor.

WHEREAS, **LG CHEM, LTD.**, a company of **Seoul, Republic of Korea** (hereinafter called "Assignee"), is desirous of acquiring the entire right, title and interest for the United States, its territories, dependencies and possessions, in and to said Patent Properties (and/or patents that may be granted therefrom), and any confirmations, divisions, continuations, reexaminations, reissues or extensions of the same;

NOW, TO ALL WHOM IT MAY CONCERN: Be it known that for and in consideration of the sum of One Dollar (\$1.00), to Assignor in hand paid by Assignee, and for other good and valuable consideration moving from Assignee to Assignor, the receipt of all of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over, unto Assignee, its successors and assigns, the entire right, title and interest for the United States, its territories, dependencies and possessions, in and to said Patent Properties (and/or patents that may be granted therefrom), and any confirmations, divisions, continuations, reexaminations, reissues or extensions thereof; the same to be held and enjoyed by Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor had this assignment and sale not been made, together with all claims for damages by reason of past infringement of said Patent Properties with the right to sue for and collect the same for its own use and for the use of its successors, assigns and other legal representatives.

And Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue any Letters Patent of the United States, resulting from said Patent Properties and any confirmations, divisions, continuations, reexaminations, reissues or extensions thereof, to Assignee.

Serial No.: 14/418,708

Docket No.: P-1333

Assignor agrees to execute all papers necessary in connection with any interference which may be declared concerning said Patent Properties (and/or patents that may be granted therefrom), or any confirmation, division, continuation, reexamination or reissue thereof, and to cooperate with Assignee in every way possible in obtaining evidence and going forward with such interference.


Assignor hereby covenants that it has full right to convey the interest herein assigned and that it has not executed and will not execute any agreement in conflict herewith.

Assignor agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

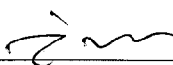
Assignor agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to Assignee.

Assignor hereby grants the firm of **KED & ASSOCIATES, LLP** (Customer No. 34610) the power to insert on this Assignment any further identification, 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.


This Assignment is effective as of the 18th day of OCT., 2018.



Witness Jonggwan YOON



Witness Mihyun JEON



Signature
Officer of LG Electronics Inc.

GIUP CHO

Typewritten Name of Officer

General Manager

Title of Officer