

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| CHUL-KYU LEE | 03/04/2016 |
| RECEIVING PARTY DATA | |
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| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15118721 |
| CORRESPONDENCE DATA | |
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| NAME OF SUBMITTER: | CINDY CORB |
| SIGNATURE: | /Cindy Corb/ |
| DATE SIGNED: | 08/15/2016 |
| Total Attachments: 1 | |
| source=Declaration and Assignment#page1.tif | |

DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATIONS

Attorney Docket Number:

Title of Invention BATTERY MODULE HAVING IMPROVED SAFETY AND OPERATIONAL LIFESPAN

As the below named inventor(s) (hereinafter designated as the undersigned), I/We hereby declare that:

This declaration is directed to:

- The attached application, or
- United States application or PCT international application number PCT/KR2015/010619
filed on October 7, 2015

The above-identified application was made or authorized to be made by me/us.

I/We believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I/We hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WHEREAS, the undersigned as a sole inventor (if only one name is listed below) or as a joint inventor (if plural names are listed below) has invented certain new and useful improvements in the application identified above.

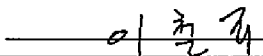
AND, WHEREAS LG Chem, Ltd., (hereinafter referred to as assignee), a corporation of Korea whose mailing address is ; 128, Yeoui-daero; Yeongdeungpo-gu; Seoul; REPUBLIC OF KOREA 07336 is desirous of acquiring the entire right, title and interest in the same.

NOW, THEREFORE, in consideration of the sum of one dollar, the receipt where of is acknowledged, and other good and valuable consideration, the undersigned hereby sell(s), assign(s) and set(s) over to said assignee my/our entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me/us and my/our legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

FULL NAME OF INVENTOR(S)

Inventor one: LEE, Chul-Kyu Date: 2016.3.4

Signature: 

Additional inventors or a legal representative are being named on _____ additional form(s) attached hereto.

PLEASE SEE THE WARNINGS ON THE LAST PAGE OF THIS FORM.