

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KWANGJIN PARK	12/28/2017
DONGSU KO	12/20/2017
KYOUNGMIN MIN	12/20/2017
CHANGHOON JUNG	12/28/2017
BYUNGJIN CHOI	12/28/2017
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<b>Postal Code:</b>	16677
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<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15860901
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<b>ATTORNEY DOCKET NUMBER:</b>	YPL1996US

<b>NAME OF SUBMITTER:</b>	GRANT M. EHRLICH
<b>SIGNATURE:</b>	/Grant M. Ehrlich/
<b>DATE SIGNED:</b>	01/03/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 3</b> source=7YS4783#page1.tif source=7YS4783#page2.tif source=7YS4783#page3.tif	

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SI-54137-US  
RV2017040071US0

## DECLARATION AND ASSIGNMENT

Title of Invention: **COMPOSITE CATHODE ACTIVE MATERIAL, CATHODE AND LITHIUM BATTERY INCLUDING THE SAME, AND METHOD OF PREPARING THE COMPOSITE CATHODE ACTIVE MATERIAL**

As a below named inventor, I hereby declare that:

This declaration is directed to:

the attached application (Attorney Docket Number YPL1996US), or

United States application or PCT international application number \_\_\_\_\_ filed on \_\_\_\_\_.

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

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

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.

Whereas, each undersigned inventor has made certain inventions, improvements, and discoveries (herein referred to as the "INVENTION") disclosed in the above-identified patent application (herein referred to as the "APPLICATION");

Whereas, (1) **SAMSUNG ELECTRONICS CO., LTD.**, a corporation of the **Republic of Korea** having a place of business at **129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea**, and

(2) **SAMSUNG SDI CO., LTD.**, a corporation of the **Republic of Korea** having a place of business at **150-20, Gongse-ro, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea**

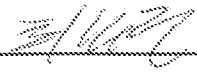
(herein collectively referred to as "ASSIGNEE"), desires to acquire, and each undersigned inventor desires to grant to ASSIGNEE, the entire worldwide right, title, and interest in and to the INVENTION and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor (herein referred to "ASSIGNOR") hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to the ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the INVENTION, the APPLICATION, and any and all other patent applications and patents for the INVENTION which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, continuations-in-part, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of



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Legal Name of Inventor: **Byungjin Choi**

Signature:  \_\_\_\_\_  
Date: 2017.12.28