

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4210007

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

## CONVEYING PARTY DATA

Name	Execution Date
KANGHEE LEE	12/21/2016
BYOUNGSUN LEE	12/21/2016
WOONGRYEOL YU	12/15/2016
SUNGSOO HAN	12/21/2016
HOSUNG YANG	12/15/2016
JIHYUN YOON	12/15/2016

## RECEIVING PARTY DATA

<b>Name:</b>	SAMSUNG ELECTRONICS CO., LTD.
<b>Street Address:</b>	129, SAMSUNG-RO, YEONGTONG-GU
<b>City:</b>	SUWON-SI, GYEONGGI-DO
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	16677
<b>Name:</b>	SAMSUNG SDI CO., LTD.
<b>Street Address:</b>	150-20, GONGSE-RO, GIHEUNG-GU,
<b>City:</b>	YONGIN-SI, GYEONGGI-DO
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	17084
<b>Name:</b>	SEOUL NATIONAL UNIVERSITY R&DB FOUNDATION
<b>Street Address:</b>	1, GWANAK-RO, GWANAK-GU
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<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	08826

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15398016

## CORRESPONDENCE DATA

Fax Number: (860)286-0115

*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.*

PATENT

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<b>ATTORNEY DOCKET NUMBER:</b>	YPL1862US
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<b>NAME OF SUBMITTER:</b>	LYNN M. WARREN STEWART
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<b>SIGNATURE:</b>	/Lynn M. Warren Stewart/
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<b>DATE SIGNED:</b>	01/04/2017
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	This document serves as an Oath/Declaration (37 CFR 1.63).
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**Total Attachments: 4**

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## DECLARATION AND ASSIGNMENT

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

As a below named inventor, I hereby declare that:

This declaration is directed to:

☒ the attached application (Attorney Docket Number YPL1862US 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, **Samsung Electronics Co., Ltd.**, a corporation of Country of Korea having a place of business at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea, **Samsung SDI Co., Ltd.**, a corporation of Country of Korea having a place of business at 150-20 Gongse-ro, Giheung-gu, Yongin-si, Gyeonggi-do 17084, Republic of Korea, AND **Seoul National University R&DB Foundation**, a corporation of Country of Korea having a place of business at 1, Gwanak-ro, Gwanak-gu, Seoul, 08826, Republic of Korea (herein 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 priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests the Director of the United States Patent and

Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the INVENTION, to ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the INVENTION, the APPLICATION, and all related patents and applications, in ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by ASSIGNEE, its successors, legal representatives, and assigns.

I 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.

The undersigned hereby grant(s) the law firm of **Cantor Colburn LLP** the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Legal Name of Inventor: **Kanghee LEE**

Signature: Kanghee Lee Date: 2016.12.21

Legal Name of Inventor: **Byoungsun LEE**

Signature: Byoungsun Lee Date: 2016.12.21

Legal Name of Inventor: **Woongryeol YU**

Signature: Woongryeol Yu Date: 12/15/2016

Legal Name of Inventor: **Sungsoo HAN**

Signature: Sungsoo Han Date: 2016.12.21

Legal Name of Inventor: **Hosung YANG**

Signature: Hosung Yang Date: DEC/15/2016

YPL1862US  
RV-201604-009-1-US0| SI-52297-US

Legal Name of Inventor: Jihyun YOON

Signature:  Date: DEC / 15 / 2016

STAMPED

## POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in the attached transmittal letter.

I hereby appoint the Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office in connection therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A or equivalent):

CUSTOMER NUMBER

23413

CANTOR COLBURN LLP  
20 Church Street, 22<sup>nd</sup> Floor  
Hartford, CT 06103-3207  
Phone (860) 286-2929

Please recognize or change the correspondence address for the application referenced in the attached transmittal letter to the address associated with the above-mentioned Customer Number.

I am the Applicant, being the Assignee or Person to Whom the Inventor is Under an Obligation to Assign. The individual whose signature and title is supplied below is authorized to act on behalf of the assignee.

Signature: \_\_\_\_\_

*W. Dong-Ryeol Yoo*

Date: \_\_\_\_\_

*12/15/2016*

Name: \_\_\_\_\_

*W. DONG-RYEOL YOO*

Telephone: \_\_\_\_\_

*010-8000-8575*

Title and Company: SEOUL NATIONAL UNIVERSITY R&DB FOUNDATION