# 504711643 01/03/2018

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4758365

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
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

#### RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRONICS CO., LTD.
Street Address:	129, SAMSUNG-RO, YEONGTONG-GU,
City:	SUWON-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	16677
Name:	SAMSUNG SDI CO., LTD.
Street Address:	150-20, GONGSE-RO, GIHEUNG-GU,
City:	YONGIN-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15860901

## **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.

**Phone:** 860-286-2929

**Email:** usptopatentmail@cantorcolburn.com

Correspondent Name: CANTOR COLBURN LLP
Address Line 1: 20 CHURCH STREET

Address Line 2: 22ND FLOOR

Address Line 4: HARTFORD, CONNECTICUT 06103

ATTORNEY DOCKET NUMBER: YPL1996US

PATENT REEL: 044522 FRAME: 0939

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

PATENT REEL: 044522 FRAME: 0940

#### **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

COMPOSITE CATHODE ACTIVE MATERIAL

As a below named inventor, I hereby declare that:

This declaration is directed to:	
[X] the attached application (Attorney Docket Number <u>YPL1996US</u> ), 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 i the application.	in
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) <u>SAMSUNG ELECTRONICS CO., LTD.</u>, a corporation of the <u>Republic of Korea</u> having a place of business at <u>129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea</u>, and

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

(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

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:	Kwangjin Park
Signature: Date: 2017.12.28	127
Legal Name of Inventor:	Dongsu Ko
Signature:	Date: 2-17/12.20
Legal Name of Inventor:	Kyoungmin Min
Signature:	n
Legal Name of Inventor:  Signature:  Date: 2017.12.28	Changhoon Jung

**YPL1996US** SI-54137-US RV2017040071US0

Legal Name of Inventor:	Byungjin Choi
-------------------------	---------------

Signature:\_\_\_\_\_\_ Date:\_2017.12.28