505825163 12/17/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOONG HUN KIM	08/19/2019

RECEIVING PARTY DATA

Name:	SAMSUNG SDI CO., LTD.	
Street Address:	150-20 GONGSE-RO, GIHEUNG-GU	
City:	YONGIN-SI, GYEONGGI-DO	
State/Country:	KOREA, REPUBLIC OF	
Postal Code:	17084	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16490840

CORRESPONDENCE DATA

Fax Number: (626)577-8800

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Correspondent Name: LEWIS ROCA ROTHGERBER CHRISTIE LLP

Address Line 1: P.O. BOX 29001

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ATTORNEY DOCKET NUMBER:	178417 JEJ/CLM	
NAME OF SUBMITTER:	CHRISTINA L. MALINOSKY	
SIGNATURE:	/Christina L. Malinosky/	
DATE SIGNED:	12/17/2019	
This document serves as an Oath/Declaration (37 CFR 1.63).		

Total Attachments: 2

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> **PATENT** REEL: 051306 FRAME: 0552 505825163

INVENTOR'S DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

PATENT

Title of Invention: SECONDARY BATTERY

Docket No.: 178417

INVENTOR'S DECLARATION

As a below named inventor, I hereby declare that:

This declaration is directed to the attached application unless the following is checked:

X United States Application or PCT International Application Number <u>PCT/KR2018/001615</u> filed on <u>February 6, 2018</u>.

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 above-identified application.

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

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I 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.

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned,

(1) Joong Hun KIM

HEREBY SELL(S), ASSIGN(S) AND TRANSFER(S) TO

(2) SAMSUNG SDI CO., LTD.

having a place of business at

(3) 150-20, Gongse-ro, Giheung-gu, Yongin-si, Gyeonggi-do, 17084 Republic of Korea

(hereinafter called "ASSIGNEE") the entire right, title and interest in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled

(4) SECONDARY BATTERY

PATENT REEL: 051306 FRAME: 0553

INVENTOR'S DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

Docket No.: 178417

which application executed on even date	
herewith or was	(LEWIS ROCA ROTHGERBER CHRISTIE
(a) executed on (5a):;	LLP, P.O. Box 29001, Glendale, CA 91209-
(b) filed on (5b): September 3, 2019,	9001) is hereby authorized to insert in (b) the specified data, when known.
Application No.: 16/490,840	

including any and all United States Patents which may be granted on said application, and any and all extensions, divisions, reissues, substitutes, renewals or continuations of said application and patents, and the right to all benefits under all international conventions for the protection of industrial property and applications for said improvements.

It is hereby authorized and requested that the Commissioner of Patents issue any and all of said Letters Patent, when granted, to said ASSIGNEE, its assigns or its successors in interest or its designee.

Upon said consideration, it is further agreed that, when requested, without charge to but at the expense of said ASSIGNEE, the undersigned will execute all divisional, continuing, substitute, renewal, and reissue patent applications; execute all rightful other papers; and generally do everything possible which said ASSIGNEE shall consider desirable for aiding in securing and maintaining patent protection as provided herein.

Joong Hun KIM	August 19, 2019
Legal Name of Inventor	Date
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Signature Ah poly // an -	
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WITNESSES:	
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RECORDED: 12/17/2019