

## 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>
BYEONGHUI LIM	09/09/2020
CHRISTOBER RAYAPPAN	09/09/2020
SUNGWOOK PAEK	09/09/2020
MINJEONG KANG	09/09/2020
GIHEON KIM	09/09/2020
JAKE KIM	09/09/2020
YONGJUN HWANG	09/09/2020
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<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	17084
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16981139
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	194967 JEJ/CLM
<b>NAME OF SUBMITTER:</b>	CHRISTINA L. MALINOSKY
<b>SIGNATURE:</b>	/Christina L. Malinosky/
<b>DATE SIGNED:</b>	09/15/2020

**Total Attachments: 3**

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INVENTOR'S DECLARATION AND ASSIGNMENT  
FOR PATENT APPLICATION

PATENT

Title of Invention: BATTERY STATE ESTIMATION METHOD  
Docket No.: 194967

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:

☒ United States Application or PCT International Application Number PCT/KR2019/002761  
filed on March 8, 2019.

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) Byeonghui LIM, Christopher RAYAPPAN, Sungwook PAEK, Minjeong KANG, Giheon KIM, Jake KIM, and Yongjun HWANG

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) BATTERY STATE ESTIMATION METHOD

INVENTOR'S DECLARATION AND ASSIGNMENT  
FOR PATENT APPLICATION

Docket No.: 194967

which application executed on even date herewith or was

(a) executed on (5a): \_\_\_\_\_

(b) filed on (5b): September 15, 2020

Application No.: 16/981,139

(LEWIS ROCA ROTHGERBER CHRISTIE  
LLP, P.O. Box 29001, Glendale, CA 91209-  
9001) is hereby authorized to insert in (b) the  
specified data, when known.

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.

Byeonghui LIM

Legal Name of Inventor

9. sep. 2020  
Date

Signature

Christober RAYAPPAN

Legal Name of Inventor

9<sup>th</sup> sep. 2020  
Date

Signature

Sungwook PAEK

Legal Name of Inventor

9. sep. 2020  
Date

Signature

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INVENTOR'S DECLARATION AND ASSIGNMENT  
FOR PATENT APPLICATION

Docket No.: 194967

Minjeong KANG

Legal Name of Inventor

Date

9. Sep. 2020

Signature

Giheon KIM

Legal Name of Inventor

Date

9. Sep. 2020

Signature

Jake KIM

Legal Name of Inventor

Date

9. Sep. 2020

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Yongjun HWANG

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9. Sep. 2020

Signature

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