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PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5812258

SUBMISSION TYPE: NEW ASSIGNMENT	
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NATURE OF CONVEYANCE: **ASSIGNMENT**

CONVEYING PARTY DATA

Name	Execution Date
HYUN SEUNG SHIN	10/29/2019

RECEIVING PARTY DATA

Name:	LG CHEM, LTD.
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State/Country:	KOREA, REPUBLIC OF
Postal Code:	07336

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16612205

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ATTORNEY DOCKET NUMBER:	3881-0405PUS1
NAME OF SUBMITTER:	CHRISTOPHER SMITH
SIGNATURE:	/Christopher Smith/
DATE SIGNED:	11/08/2019

Total Attachments: 2

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PATENT REEL: 050962 FRAME: 0481 505765442

Application Number: 16612205 Filed On: 08-NOV-2019

> Attorney Docket No. 3881-0405PUS1

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DECLARATION AND ASSIGNMENT FOR PATENT AND DESIGN APPLICATIONS

UNITED STATES PATENT RIGHTS, OR United States Plus all Foreign Patent Rights

Title of Invention SYSTEM AND METHOD FOR MANUFACTURING SECONDARY BATTERY As a below named inventor (hereinafter designated as the undersigned), I hereby declare that: This declaration is directed to the application attached hereto. If the application is not attached hereto, the application is as identified by the attorney docket number as set forth above and/or the following: Enter Applia, No. United States Application Number of PCT International Appln. No. no belit * stell godd reted 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 above-identified application, including the claims. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56. WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified. Essert Margo WHEREAS, LG CHEM, LTD. of Assignee Insert Address of 128, Yeoui-daero, Yeongdeungpo-gu, Seoul 07336, Republic of Korea of Assignee its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and Check Box if 🔀 in any foreign countries. Appropriate NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned has sold, assigned and transferred, and by these presents does (do) sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, tiffe and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to

any and all divisions, reissues, confinuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

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PATENT REEL: 050962 FRAME: 0482

Attorney Docket No. 3881-0405PUS1

The undersigned agrees to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agrees to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorizes and requests the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has the full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grants the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

The undersigned hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

The undersigned hereby acknowledges 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.

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

LEGAL NAME OF INVENTOR

RECORDED: 11/08/2019

inventors tome - Inventor;	SHIN, Hyun Seung	Date; O	ctober 29, 2019
Inventor's Signature Signature:	the fat		
An application data sheet (P Use a separate form for each	TO/SB/14 or equivalent), including naming the inventor; or check the box below and complete	entire inventive entity, must a the attached page(s) to list add	occompany this form. litional inveniors.
Additional inventors are	being named on the supplemental sheet(s) a	ttached hereto.	
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