505612622 08/08/2019

PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date | |
|--------------|----------------|--|
| JAEHWAN HA | 06/28/2019 | |
| KIJUN KIM | 06/28/2019 | |
| HEEEUN YOO | 06/28/2019 | |
| YEONHEE YOON | 06/28/2019 | |
| KYUSEO LEE | 06/28/2019 | |

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PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16460765 |

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|-------------------------|----------------------|
| NAME OF SUBMITTER: | FRANCES M. O'BRIEN |
| SIGNATURE: | /Frances M. O'Brien/ |
| DATE SIGNED: | 08/08/2019 |

Total Attachments: 3

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PATENT REEL: 050000 FRAME: 0695

INVENTOR'S DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

PATENT

Title of Invention:

ELECTRODE FOR RECHARGEABLE LITHIUM BATTERY, AND

RECHARGEABLE LITHIUM BATTERY INCLUDING THE SAME

Docket No.:

175433

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 | Applies | ation or PC | T Internation | ial Applicat | ion Numi | ber | |
|----------|--|---------|-------------|---------------|---------------------------|----------|--------|--|
| ******** | ~,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 4.6 | | | 177 (41) 187 (87) (17) 77 | | ****** | |
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| | BROU UE | | | | | | | |

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.

Lacknowledge 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.

Lacknowledge 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) Jaehwan HA, Kijun KIM, Heeeun YOO, Yeonhee YOON, and Kyuseo LEE HEREBY SELL(S), ASSIGN(S) AND TRANSFER(S) TO

본 정보는 삼성SOI 정보자산 관리적임자의 하기없이 출력,배포,원충을 할 수 없으며, 위규사 관련법법

(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) <u>ELECTRODE FOR RECHARGEABLE LITHIUM BATTERY, AND RECHARGEABLE</u> LITHIUM BATTERY INCLUDING THE SAME

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INVENTOR'S DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

Docket No.: 175433 which application executed on even date herewith or was (LEWIS ROCA ROTHGERBER CHRISTIE LLP, P.O. Box 29001, Glendale, CA 91209-(a) executed on (5a): 9001) is hereby authorized to insert in (b) the (b) filed on (5b): July 2, 2019 specified data, when known. Application No.: 16/460,765 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. Jaehwan HA Date Legal Name of Inventor Signature 2019. 6.28 Kijun KIM Date Legal Name of Inventor Signature Heeeun YOO Date Legal Name of Inventor Signature

2 of 3

| INVEN | ITOR'S DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION | | | | | |
|---|--|--|------|--------|----|-------------|
| Docket No.: 175433 | | | | | | |
| Yeonhee YOON | | | 19.0 | SK 287 | | |
| Legal Name of Inventor | | | Date | | | |
| Yeonhee YooN Signature | | | | | | |
| | | | 19. | 06. | 28 | |
| Kyuseo LEE Legal Name of Inventor | | | Date | | | |
| 01 7 4 | | | | | | |
| Signature AM 108393236.1-5-06/26/2019 3:27 PM | | | | | | |