504808692 03/07/2018

PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| MARK E. BUSSELL | 10/23/2016 |

RECEIVING PARTY DATA

| Name: | WESTERN WASHINGTON UNIVERSITY | |
|-----------------|-------------------------------|--|
| Street Address: | 516 HIGH STREET | |
| City: | BELLINGHAM | |
| State/Country: | WASHINGTON | |
| Postal Code: | 98225 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15306468 |

CORRESPONDENCE DATA

Fax Number: (206)224-0779

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.

206-682-8100 Phone: Email: efiling@cojk.com Correspondent Name: JUAN ZHENG, PH.D.

Address Line 1: CHRISTENSEN O'CONNOR JOHNSON KINDNESS PLLC

Address Line 2: 1201 THIRD AVENUE, SUITE 3600 Address Line 4: SEATTLE, WASHINGTON 98101-3029

| ATTORNEY DOCKET NUMBER: | WWUN156928 | |
|-------------------------|-----------------|--|
| NAME OF SUBMITTER: | JESSICA DAVIS | |
| SIGNATURE: | /JESSICA DAVIS/ | |
| DATE SIGNED: | 03/07/2018 | |

Total Attachments: 1

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PATENT REEL: 045134 FRAME: 0403 504808692

ASSIGNMENT

WHEREAS, I, Mark E. Bussell, am the inventor named in an application for Letters Patent of the United States entitled NANOSCALE NICKEL PHOSPHIDE CATALYSTS FOR HDS AND HDN: IN SITU PREPARATION AT LOW TEMPERATURE, and I hereby authorize the attorneys of the firm of Christensen O'Connor Johnson Kindness^{PLLC}, 1201 Third Avenue, Suite 3600, Seattle, Washington 98101, to insert here in parentheses (Application No. 15/306468 , filed October 24, 2016) the application number and filing date of said application when known;

AND, WHEREAS, Western Washington University, a public institute of higher education having a principal place of business at 516 High Street, Bellingham, Washington 98225 (hereinafter referred to as ASSIGNEE), is desirous of acquiring my entire right and title to and interest in my invention disclosed in said application;

NOW, THEREFORE, for sufficient, good, and valuable consideration, the receipt of which is hereby acknowledged, I do hereby sell, assign, and transfer unto ASSIGNEE my entire right and title to and interest in said application and said invention, including the right to apply for international patents and patents thereon in foreign countries in my name or in the name of ASSIGNEE, said invention and all applications and patents on said invention to be held and enjoyed by ASSIGNEE as entirely as the same would have been held and enjoyed by me had this sale, assignment, and transfer not been made; and I do hereby further agree and promise to execute all instruments and render all such assistance as ASSIGNEE may request in order to make and prosecute any and all applications on said invention, to enforce any and all applications and patents on said invention, and to confirm in ASSIGNEE legal title to said invention and all applications and patents on said invention, all without charge to ASSIGNEE but at no expense to me.

| Executed at Singapore day of October , 2016. | (city), Singapore (country), this 23 rd |
|--|---|
| | 11/6/28 Benne 19 |
| | Mark E. Bussell |
| Witnessed By: | |
| * | |
| Date: <u>Oct 23, 2016</u> | Signature |
| | |
| | Kasti Lemn |
| | Printed Name |
| | |

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