502688287 02/20/2014

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2734892

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GERBRAND CEDER	01/28/2014
JINHYUK LEE	01/28/2014
SANGTAE KIM	02/03/2014
XIN LI	01/29/2014

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14044814

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ATTORNEY DOCKET NUMBER:	0492611-1256
NAME OF SUBMITTER:	JOHN P. REARICK, PHD, JD
Signature:	/John P. Rearick/
	PATENT

502688287 REEL: 032256 FRAME: 0579

Date:	02/20/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 7 source=0492611-1256_Assignment_Declarations s	ation#page2.tif ation#page3.tif ation#page4.tif ation#page5.tif ation#page5.tif

PATENT REEL: 032256 FRAME: 0580

Attorney Docket No: 0492611-1256

COMBINED JOINT ASSIGNMENT & DECLARATION

A. ASSIGNMENT

WHEREAS, each of the below-named inventors whose name and residence is set forth in the following Table 1:

Inventor Name		City, State
ı.	Gerbrand Ceder	Wellesley, MA
2.	Jinhyuk Lee	Cambridge, MA
3.	Sangtae Kim	Cambridge, MA
4.	Xin Li	Brookline, MA

Table 1

hereby declares and agrees, on behalf of himself/herself and all of his/her successors and assigns that each is aware of the patent application(s) entitled:

MOLYBDENUM OXIDES AND USES THEREOF; and

		prepared for filing in the United States Patent and Trademark Office; or
States	⊠ Patent	identified by United States Application Serial No. 14/044,814 filed in the United and Trademark Office on October 2, 2013; and
and		identified by International Patent Application No. Serial No. filed on Filing Date;
	\boxtimes	is also aware of the following priority applications:
	Seria	il No.: 61/708,963; Filed: October 2, 2012

WHEREAS Massachusetts Institute of Technology (hereinafter "ASSIGNEE"), having a usual place of business at 77 Massachusetts Avenue, Cambridge, MA 02139, United States of America, desires to acquire or confirm an interest therein:

NOW, THEREFORE, to all whom it may concern be it known that, in consideration of agreements previously and duly entered into between the parties, and/or for other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned, and transferred and/or do hereby sell, assign, and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title, and interest in and throughout the United States of America, its territories and all foreign countries, in and to any and all inventions described in the patent application, and/or any priority applications noted above; and hereby confirm that my sale, assignment and transfer is and was effective at least as of the filing date of the patent application and/or priority application. My sale, assignment and transfer applies to the above-referenced patent application, and to any application that is based in whole or in part on

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the patent application, including to divisional, continuing, substitute, renewal, reissue, reexamination and other applications, for example that claim priority to the patent application. Also, this sale, assignment and transfer pertains to any and all other rights arising under or pursuant to any and all international agreements, treaties, or laws relating to the protection of industrial property, including all rights of priority under the International Convention for the Protection of Industrial Property, and in and to any such patent(s) as may issue thereon including any and all original and reissued patents which have been or shall be issued in the United States and foreign countries; said inventions, applications, and patent(s) to be held and enjoyed by ASSIGNEE for its own use and for its successors, assigns and legal representatives, to the full end of the term for which said patent(s) may be granted as fully and entirely as the same would have been held by me had this sale, assignment and transfer not been made;

AND, I hereby acknowledge that this Assignment, being of my entire right, title, and interest in and to the inventions, carries with it the right in ASSIGNEE, by attorneys and agents of ASSIGNEE selection, to apply for and receive any and all patent(s) for said inventions in its own name;

AND, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the patent(s) to ASSIGNEE, its successors, assignees, and legal representatives, but at its expense and charges, including the execution of application for patents in foreign countries, the execution of substitution, reissue, divisional or continuation applications, and the giving of testimony, preliminary statements, or other statements in any interference or other proceeding in which the inventions or any applications or patents directed to the inventions may be involved by communicating to the ASSIGNEE all facts I know relating to the inventions and their history, and generally by doing everything possible which ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for the inventions and for vesting title in the inventions and all applications for patent and all patents on the inventions in ASSIGNEE;

- AND, I further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number(s) and/or filing date(s) into this assignment document, if appropriate;
- AND, I hereby appoint ASSIGNEE as my common agent for purposes of prosecuting international patent applications and any national patent applications for which such common agency is recognized;
- AND, I hereby request the Director of Patents and Trademarks of the United States to issue any and all patent(s) as shall be granted upon said application or applications based thereon to ASSIGNEE, its successors, assigns, and legal representatives;
- AND, I covenant with said ASSIGNEE that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by me, and that full right to convey the same as herein expressed is possessed by me.

B. DECLARATION (37 CFR 1.63)

As a below named inventor, I hereby declare that:

This declaration is directed to the patent application entitled:

MOLYBDENUM OXIDES AND USES THEREOF; and

Office	; or	attached hereto or prepared for filing in the United States Patent and Trademark
States	⊠ Patent a	identified by United States Application Serial No. 14/044,814 filed in the United and Trademark Office on October 2, 2013; or
		identified by International Patent Application No. Serial No. filed on Filing Date.
	The ab	ove-identified application was made or authorized to be made by me.
inventi	I belie on in th	ve that I am the original inventor or an original joint inventor of a claimed e application.
punish	I herel able und	by acknowledge that any willful false statement made in this declaration is der 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or

I have reviewed and understand the contents of the application, including the claims and am aware of the duty to disclose to the United States Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR 1.56.

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both.

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