

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4747417

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	YIMIN ZHU	09/01/2017
	VINCENT PLUVINAGE	09/01/2017
RECEIVING PARTY DATA		
Name:	ONED MATERIAL LLC	
Street Address:	2625 HANOVER STREET	
City:	PALO ALTO	
State/Country:	CALIFORNIA	
Postal Code:	94304	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15650797
CORRESPONDENCE DATA		
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<i>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.</i>		
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ATTORNEY DOCKET NUMBER:	074214-045100	
NAME OF SUBMITTER:	MARIA S. SWIATEK	
SIGNATURE:	/Maria S. Swiatek/	
DATE SIGNED:	12/21/2017	
Total Attachments: 4		
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ASSIGNMENT

WHEREAS, the undersigned, **Yimin Zhu**, a resident of Union City, CA; and **Vincent Pluinage**, a resident of Atherton, CA, (collectively hereinafter termed “Inventors”), have jointly invented certain new and useful improvements in *Manufacturing Apparatus And Method For Making Silicon Nanowires On Carbon Based Powders For Use In Batteries* for which invention we have executed a United States Patent Application having Serial Number **15/650,797**, and Filing date **July 14, 2017**, and which invention is fully described in the specification pertaining to said application.

WHEREAS, **OneD Material LLC** (hereinafter termed “Assignee”), a body having corporate powers under the laws in Delaware, having a place of business at 2625 Hanover Street, Palo Alto, CA 94304 USA, is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed “said invention”), and in and to any and all patents, inventor’s certificates and other forms of protection (hereinafter termed “patents”) thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee, the entire right, title and interest (a) in and to said application and said invention, and any later filed United States utility or foreign applications claiming priority to said application; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a priority application, utility, division, substitution, or continuation of any of said applications; and (d) in and to each and every reissue or extension of any of said patents; and (e) all claims for damages by reason of past infringement of said patents together with any back damages and royalties accrued, with the right to sue for and collect the same for its own use and enjoyment, and for use and enjoyment of its successors, assigns or other legal representatives.

2. Said Inventors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of

pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting utility, substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference, derivation or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefore and any patents granted thereon, including without limitation opposition proceedings, inter partes and ex parte re-examination proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor in providing such cooperation shall be paid for by said Assignee.

3. The terms, covenants and conditions of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor, his respective heirs, legal representatives and assigns.

4. Said Inventors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventor has executed and delivered this instrument to said Assignee this 1st day of September, 2017.

Yimin Zhu
Yimin Zhu

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of San Mateo) ss.

On 09/01/2017 before me, Chetna S. Nayak, a Notary Public, personally appeared Yimin Zhu, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[Affix seal here]



Chetna S. Nayak
Signature of Notary Public

IN WITNESS WHEREOF, the said Inventor has executed and delivered this instrument to said Assignee this 1 day of September, 2017.

Vincent Pluinage

Vincent Pluinage

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)

County of San Mateo)

ss.

On 09/01/17 before me, Chetna S. Nayak, a Notary Public, personally appeared Vincent Pluinage, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in his/~~her~~/their authorized capacity(ies), and that by his/~~her~~/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[Affix seal here]



Chetna S. Nayak
Signature of Notary Public