

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	JINGYUE JU	04/26/2013
	SHIV KUMAR	04/26/2013
	CHUANJUAN TAO	04/26/2013
	MINCHEN CHIEN	04/26/2013
	JAMES J. RUSSO	04/26/2013
	JOSEPH W.F. ROBERTSON	12/16/2013
RECEIVING PARTY DATA		
Name:	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	
Street Address:	535 W. 116TH STREET	
Internal Address:	412 LOW MEMORIAL LIBRARY	
City:	NEW YORK	
State/Country:	NEW YORK	
Postal Code:	10027	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16371646
CORRESPONDENCE DATA		
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ATTORNEY DOCKET NUMBER:	84043-AZ-PCT-US/GJG/CAS	
NAME OF SUBMITTER:	DARREN HABER	
SIGNATURE:	84043-AZ-PCT-US/DH/Gary J. Gershik	
DATE SIGNED:	05/08/2019	

Total Attachments: 5

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ASSIGNMENT OF PCT INTERNATIONAL APPLICATION

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, we, the undersigned,

Jingyue Ju of 267 Marietta Street, Englewood Cliffs, New Jersey 07632, United States of America;

Shiv Kumar of 21 Muirhead Court, Belle Mead, New Jersey 08502, United States of America;

Chuanjuan Tao of 605 West 112th Street, Apt 6I, New York, New York 10025, United States of America;

Minchen Chien of 273 Tenaflly Road, Tenaflly, New Jersey 07670, United States of America;

James J. Russo of 60 Haven Avenue, Apt. 25E, New York, New York 10032, United States of America; and

Joseph W.F. Robertson of 2100 19th Street NW, Apt. 303, Washington, DC 20009, United States of America

Hereby sell, assign and transfer to The Trustees of Columbia University in the City of New York, anot for profit corporation of the State of New York, having a place of business at West 116th Street and Broadway, in the County of New York and State of New York 10027, its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all inventions which are disclosed and claimed, and any and all inventions which are disclosed but not claimed, in the PCT International Application, which has been filed on April 8, 2013 and is entitled

METHOD OF PREPARATION OF NANOPORE AND USES THEREOF

(PCT International Application No. PCT/US2013/035635, filed April 8, 2013, claiming priority of U.S. Provisional Application No.

61/621,981, filed April 9, 2012, U.S. Provisional Application No. 61/662,330, filed June 20, 2012, U.S. Provisional Application No. 61/662,329, filed June 20, 2012, U.S. Provisional Application No. 61/781,353, filed March 14, 2013, and U.S. Provisional Application No. 61/662,334, filed June 20, 2012)

and in and to said PCT International Application and all divisional, continuing, substitute, renewal, reissue, and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said PCT International Application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions;

Agree that said Assignee may apply for and receive U.S. and foreign Letters Patent or rights of any other kind for said inventions, or any of them; and may claim, in applications for said U.S. and foreign Letters Patent or other rights, the priority of the aforesaid PCT International Application under the provisions of the International Convention of 1883 and later modifications thereof, under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned or the undersigned's executors or administrators will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything

JPW Rev. May 1, 2007

possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 04/26/13
 Witness: Christine Salbondis [signature]
Christine Salbondis [printed name]
550 W 120th Street [address]
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[Signature] [LS]
 Jinyue Ju

Date: 04/26/13
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 Shiv Kumar

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James J. Russo [LS]
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Date: _____
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Joseph W.F. Robertson [LS]

Date: _____
Witness: _____ [signature]
_____ [printed name]
_____ [address]

_____ [LS]
Mingchen Chien

Date: _____
Witness: _____ [signature]
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James J. Russo

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Joseph W.F. Robertson