# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
CHANGYAO CHEN	12/05/2014
JAMES HONE	12/05/2014
SUNWOO LEE	12/05/2014

## **RECEIVING PARTY DATA**

Name:	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	
Street Address:	412 LOW MEMORIAL LIBRARY	
Internal Address:	535 WEST 116TH STREET	
City:	NEW YORK	
State/Country:	NEW YORK	
Postal Code:	10027	

## **PROPERTY NUMBERS Total: 2**

Property Type	Number
Application Number:	14522534
Application Number:	61894800

## **CORRESPONDENCE DATA**

**Fax Number:** (212)408-2501

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

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ATTORNEY DOCKET NUMBER:	070050.5331
NAME OF SUBMITTER:	FRANCES ENG
SIGNATURE:	/Frances Eng/
DATE SIGNED:	01/08/2015

**Total Attachments: 3** 

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## **ASSIGNMENT**

WHEREAS, WE, Changyao Chen, a citizen of China, having a residence address at 1717 Ridge Avenue, Apt. 623, Evanston, IL 60201; James Hone, a citizen of the United States, having a mailing address at 500 West 120<sup>th</sup> Street, Mudd 220, New York, NY 10027 and Sunwoo Lee, a citizen of the Republic of Korea, having a mailing address at 500 West 120<sup>th</sup> Street, Mudd 220, New York, NY 10027 (hereinafter "ASSIGNORS"), have made an invention entitled "SYSTEMS AND METHODS FOR GRAPHENE MECHANICAL OSCILLATORS WITH TUNABLE FREQUENCIES" as set forth and described in U.S. Application No. 14/522,534 filed October 23, 2013 and United States Provisional Application No. 61/894,800 filed October 23, 2013; and

WHEREAS, THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK (hereinafter "ASSIGNEE"), having its principal place of business at 412 Low Memorial Library, 535 West 116th Street, New York, NY, 10027, is desirous of acquiring the whole right, title and interest in and to said application for Letters Patent, and any continuations, divisions, extensions, substitutions, reissues and reexaminations thereof;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that I, the said ASSIGNORS, for and in consideration of valuable considerations unto us moving from said ASSIGNEE, at or before the ensealing and delivery of these presents, the receipt and sufficiency of which is hereby acknowledged, have sold, assigned, transferred and conveyed and by these presents do sell, assign, transfer and convey, unto said ASSIGNEE, its successors and assigns, the entire right, title and interest in and to the said invention entitled "SYSTEMS AND METHODS FOR GRAPHENE MECHANICAL OSCILLATORS WITH TUNABLE FREQUENCIES" and any and all improvements thereto, and in and to said application and any division, continuation or continuation-in-part thereof, and in and to any Letters Patent of the United States which may be issued on any of said applications, and any reissues thereof, and in and to any and all applications for Letters Patent filed in foreign countries for said invention or improvements including all priority rights, and any and all Letters Patent which may be granted in foreign countries therefor, and in and to any other applications based in whole or in part on any of the foregoing, TO HAVE AND TO HOLD THE SAME to the full end of the term or terms for which any and all said Letters Patent may be granted;

AND WE, the said **ASSIGNORS**, do hereby authorize and request the Commissioner of Patents and Trademarks to issue the said Letters Patent of the United States to said **ASSIGNEE**, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said **ASSIGNEE**, its successors and assigns;

AND WE, the said **ASSIGNORS**, for the considerations aforesaid, do hereby covenant and agree to and with said **ASSIGNEE**, its successors and assigns, that we have the full power to make this assignment, and that the rights assigned are not encumbered by any grant, license or right heretofore given, and that we, our executors or administrators, shall and will do all lawful acts and things and make, execute and deliver without further compensation, any and all other instruments in writing, further applications, papers, affidavits, powers of attorney, assignments, and other documents which, in the opinion of counsel for said **ASSIGNEE**, its successors and

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assigns, may be required or necessary more effectively to secure to and vest in said **ASSIGNEE**, its successors and assigns, the entire right, title and interest in and to said invention and improvements, applications, Letters Patent, rights, titles, benefits, privileges, and advantages hereby sold, assigned, transferred and conveyed, and that we will sign any applications for reissue which may be desired by the owner of the patent or patents which may be issued for the said invention or improvements.

5thday of	SS WHEREOF, I, the said <b>ASSIGNOR</b> have executed this Assignment to <u>December</u> , 2014.
	Clypo Cla
	Changyao Chen
	Witness Signature
	Sunwoo Lee Witness Name
	REOF, I, the said <b>ASSIGNOR</b> have executed this Assignment this <u>December</u> , 2014.
	<u>December</u> , 2014 .

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IGNOR have executed this Assignment this
14
1
Sunwoo Lee
The state of the s
Witness Signature
-
James Hone

Witness Name

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**RECORDED: 01/08/2015**