

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6438253

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	ZHUANG HAO	12/20/2018
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: 1		
	Property Type	Number
	Application Number:	16810183
CORRESPONDENCE DATA		
Fax Number:	(212)408-2501	
<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>		
Phone:	2124082500	
Email:	dlnydocket@bakerbotts.com	
Correspondent Name:	BAKER BOTTS L.L.P.	
Address Line 1:	30 ROCKEFELLER PLAZA	
Address Line 4:	NEW YORK, NEW YORK 10112	
ATTORNEY DOCKET NUMBER:	070050.6357 (2)	
NAME OF SUBMITTER:	RUTH J. OLIVO	
SIGNATURE:	/Ruth J. Olivo/	
DATE SIGNED:	12/08/2020	
Total Attachments: 4		
source=Fully Executed Assignment - Zhuang Hao Only#page1.tif		
source=Fully Executed Assignment - Zhuang Hao Only#page2.tif		
source=Fully Executed Assignment - Zhuang Hao Only#page3.tif		
source=Fully Executed Assignment - Zhuang Hao Only#page4.tif		

ASSIGNMENT

WHEREAS, I, **Zhuang Hao**, a citizen of China, having a residence address at No. 92 Xida Zhi Street, Main Building Room 114, Harbin, China 15000; (hereinafter "**ASSIGNOR**"), have made an invention entitled "**GRAPHENE-BASED NANOSENSOR FOR IDENTIFYING TARGET ANALYTES**" as set forth and described in United States and United States Patent Application No. 16/012,527, filed June 19, 2018; 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 **ASSIGNOR**, 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 "**GRAPHENE-BASED NANOSENSOR FOR IDENTIFYING TARGET ANALYTES**" 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 I, the said **ASSIGNOR**, 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 I, the said **ASSIGNOR**, for the considerations aforesaid, do hereby covenant and agree to and with said **ASSIGNEE**, its successors and assigns, that I have the full poIr to make this assignment, and that the rights assigned are not encumbered by any grant, license or right heretofore given, and that I, 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, poIrs of attorney, assignments,

and other documents which, in the opinion of counsel for said **ASSIGNEE**, its successors and 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 I 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.

IN WITNESS WHEREOF, I, the said ASSIGNOR have executed this Assignment this

20 day of December, 2018

ZHUANG HAO
Zhuang Hao

Yuanding Huang
Witness Signature

Yuanding Huang
Witness Name

ACCEPTANCE BY ASSIGNEE

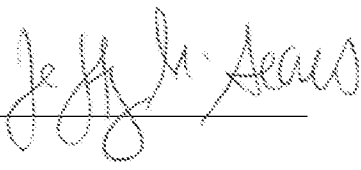
In connection with an assignment in any jurisdiction in which an acceptance by ASSIGNEE is required, I hereby accept this assignment on behalf of The Trustees of Columbia University in the City of New York. I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that (check all that apply):

☒ I am an officer of the above-identified ASSIGNEE,

☒ I have signed this document on behalf of ASSIGNEE with the full authority of the ASSIGNEE.

and that all the foregoing is true and correct.

Dated: 12/8/20

By: 
Name: _____
Title: _____

Jeffrey M. Seare, Ph.D.
Associate General Counsel
Columbia University