

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
EDWIN C. KAN	07/21/2014
QIANYING XU	07/21/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CORNELL UNIVERSITY
<b>Street Address:</b>	CCTEC - 395 PINE TREE ROAD
<b>Internal Address:</b>	SUITE 310
<b>City:</b>	ITHACA
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	14850
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14138294
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<b>NAME OF SUBMITTER:</b>	WILLIAM GREENER
<b>SIGNATURE:</b>	/WILLIAM GREENER/
<b>DATE SIGNED:</b>	10/29/2014
<b>Total Attachments: 3</b>	
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source=assignmenttwo_pdf#page3.tif	

**NONVOLATILE FLASH MEMORY STRUCTURES INCLUDING FULLERENE  
MOLECULES AND METHODS FOR MANUFACTURING THE SAME**

**ASSIGNMENT**

WHEREAS, We, Edwin C. Kan, a citizen of the United States of America, residing at 107 Briarwood Drive #1, Ithaca NY 14850 and Qianying (Sarah) Xu, a citizen of Canada, residing at 1018 NE Orenco Station Parkway, Apt. 225, Hillsboro, OR 97124, invented certain new and useful improvements in ENGINEERED FULLERENE MOLECULES FOR FLASH MEMORY CHARGE STORAGE, the application of which was filed on July 23, 2010 and assigned U.S. Serial No. 61/367,132, the application entitled NONVOLATILE FLASH MEMORY STRUCTURES INCLUDING FULLERENE MOLECULES AND METHODS FOR MANUFACTURING THE SAME filed on July 22, 2011, and assigned International Application No. PCT/US2011/044965, the application filed on July 21, 2011, and assigned U.S. Serial No. 13/188,077, and the application filed on December 23, 2013 and assigned U.S. Serial No. 14/138,294.

AND WHEREAS, **Cornell University**, with its principal place of business at Cornell Center for Technology, Enterprise & Commercialization ("CCTEC"), 395 Pine Tree Road, Suite 310, Ithaca, New York 14850 USA, is entitled to acquire the entire right, title and interest in and to the said improvements and the said Application:

NOW, THEREFORE, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said **Cornell University**, its successors, legal representatives and assigns, the entire right, title and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals, and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said **Cornell University**, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said **Cornell University**, its successors, legal representatives, and assigns, any facts known to us respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths and generally do everything possible to aid the said **Cornell University**, its successors, legal representatives, and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

ELECTROCHEMICAL SENSOR APPARATUS, METHODS, AND APPLICATIONS

Witness Signature Option

Edwin C. Kan  
Edwin C. Kan

7/21/2014  
Date

John Belina  
First Witness Signature

7/21/2014  
Date

John Belina  
First Witness Printed Name

James F. Dave  
Second Witness Signature

7/21/14  
Date

James F. Dave  
Second Witness Printed Name

Notary Option

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22<sup>nd</sup> day of July, 2014

Edwin C. Kan  
Edwin C. Kan

STATE OF New York :

COUNTY OF Tompkins :

This 22 day of July, 2014, before me personally came the above-named Edwin C. Kan, to me personally known as the individual who executed the same of his/her own free will for the purposes therein set forth.

William A. Lalonde  
Notary Public  
Commission expires on May 14, 2015.

**WILLIAM A. LALONDE**  
Notary Public, State of New York  
Tompkins County 01LA6165666  
Commission expires, May 14, 2015.

NONVOLATILE FLASH MEMORY STRUCTURES INCLUDING FULLERENE MOLECULES AND METHODS FOR MANUFACTURING THE SAME

Witness Signature Option

*Qianying Xu*  
Qianying (Sarah) Xu

07/21/14  
Date

*D. Baskar*  
First Witness Signature

7/21/14  
Date

Dinesh Baskar  
First Witness Printed Name

*D. Schinke*  
Second Witness Signature

7/21/14  
Date

Daniel Schinke  
Second Witness Printed Name

Notary Option

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2014

STATE OF \_\_\_\_\_ : Qianying Xu  
COUNTY OF \_\_\_\_\_ :

This \_\_\_\_\_ day of \_\_\_\_\_, 2014, before me personally came the above-named \_\_\_\_\_, to me personally known as the individual who executed the same of his/her own free will for the purposes therein set forth.

Notary Public  
Commission expires on \_\_\_\_\_

2350280.1 7/18/2014

PATENT