

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ki-Bum Lee</td> <td>05/09/2012</td> </tr> <tr> <td>Sung Myung</td> <td>05/09/2012</td> </tr> <tr> <td>Aniruddh Solanki</td> <td>05/09/2012</td> </tr> </tbody> </table>		Name	Execution Date	Ki-Bum Lee	05/09/2012	Sung Myung	05/09/2012	Aniruddh Solanki	05/09/2012
Name	Execution Date								
Ki-Bum Lee	05/09/2012								
Sung Myung	05/09/2012								
Aniruddh Solanki	05/09/2012								
RECEIVING PARTY DATA									
Name:	Rutgers, The State University of New Jersey								
Street Address:	Old Queens, Somerset Street								
City:	New Brunswick								
State/Country:	NEW JERSEY								
Postal Code:	08901								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13400021</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13400021				
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Application Number:	13400021								
CORRESPONDENCE DATA									
Fax Number:	(609)896-1469								
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NAME OF SUBMITTER:	Kenneth Ma								
Total Attachments: 3 source=int11FA#page1.tif source=int11FA#page2.tif source=int11FA#page3.tif									

OP \$40.00 13400021

**ASSIGNMENT OF INVENTION**

In consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of One Dollar (\$1.00) and for other good and valuable consideration, the receipt of which is hereby acknowledged,

**ASSIGNORS:**

Name	Address
Ki-Bum Lee	19 Kingsland Circle, Monmouth Junction, New Jersey 08852
Sung Myung	9 Redcliffe Ave., Apt. 9, Highland Park, New Jersey 08904
Aniruddh Solanki	214 Calderone Court, South Plainfield, New Jersey 07080

hereby sell, assign and transfer to:

**ASSIGNEE:**

Name	Address
Rutgers, The State University of New Jersey	Old Queen's, Somerset Street, New Brunswick, New Jersey 08909

and the successors, assigns and legal representatives of the ASSIGNEE, entire right, title and interest for the United States and its territorial possessions, and in all foreign countries, including all rights to claim priority, in and to the invention entitled:

**GRAPHENE-ENCAPSULATED NANOPARTICLE-BASED BIOSENSOR FOR THE SELECTIVE DETECTION OF BIOMARKERS**

invented by Lee et al. and which is found in:

- ☐ the U.S. patent application executed on even date herewith;
- ☒ the U.S. patent application no.: 61/443,950 filed: February 17, 2011
- ☒ the U.S. patent application no.: 13/400,021 filed: February 17, 2012
- ☐ the International Application no. filed:
- ☐ the U.S. patent no. issued on ;

and, in and to all Letters Patent, both foreign and domestic, to be obtained for said invention by the aforesaid U.S. patent application, and in and to all Non-Provisional and International Applications claiming priority therefrom, and all Letters Patent, both foreign and domestic, to be obtained for said invention by the aforesaid Non-Provisional and International Applications claiming priority therefrom, and all continuation, division, renewal, continuation-in-part or substitute of said Non-Provisional U.S. Patent Applications, and as to Letters Patent and any reissue or re-examination thereof, and to any legal equivalent thereof in a foreign country, including, the right to apply for patents and inventor certificates in respect thereof, the right to claim priority, and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of the invention.

ASSIGNORS hereby authorize ASSIGNEE or its legal representative to insert in this instrument the filing date and serial number of said application or any other information that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for the recordation of this document.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further covenant and agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS, and that ASSIGNORS will, at ASSIGNEE's expense, testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE, its assigns or its legal representatives, without further or additional consideration, any and all papers, instruments or affidavits required, render all necessary assistance, and do such additional acts as ASSIGNEE may deem necessary or desirable, to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE sole use and benefit, and for the use and benefit of ASSIGNEE legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNORS had this assignment and sale not been made.

The parties agree that the foregoing covenants and obligations shall bind and inure to the benefit of the heirs, assigns and legal representatives of both parties.

Name:

Ki-Bum Lee  
Ki-Bum Lee

Date:

5/9/12

State of

NY

County of

MIDDLESEX

Before me this

9th

day of

MAY

2012

, personally appeared

the above named individual, to me known to be the person who is described in, and who executed the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein expressed.

Melissa F. Grunwer  
Notary Public

MELISSA F GRUNWERG  
Notary Public of New Jersey  
My Commission Expires May 14, 2013

Name: Myung, Sung  
Sung Myung

Date: 5/9/2012

State of New Jersey  
County of ESSEX

Before me this 9 day of May, 2012, personally appeared  
the above named individual, to me known to be the person who is described in, and who executed  
the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free  
will for the purposes therein expressed.

Melissa F Grunberg  
Notary Public

MELISSA F GRUNBERG  
Notary Public of New Jersey  
My Commission Expires May 14, 2013

Name: Aniruddh Solanki  
Aniruddh Solanki

Date: 5/9/2012

State of NY  
County of MIDDLESEX

Before me this 9TH day of MAY, 2012, personally appeared  
the above named individual, to me known to be the person who is described in, and who executed  
the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free  
will for the purposes therein expressed.

Melissa F Grunberg  
Notary Public

MELISSA F GRUNBERG  
Notary Public of New Jersey  
My Commission Expires May 14, 2013