PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ALEXANDER STAR	03/06/2012
NARASIMHA HARINDRA VEDALA	03/06/2012
GREGG PETER KOTCHEY	03/06/2012

RECEIVING PARTY DATA

Name:	PITTSBURGH, UNIVERSITY OF - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION
Street Address:	THACKERAY & O'HARA STREETS
Internal Address:	200 GARDNER STEEL CONFERENCE CENTER
City:	PITTSBURGH
State/Country:	PENNSYLVANIA
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14554912

CORRESPONDENCE DATA

Fax Number: (412)254-8088

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.

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ATTORNEY DOCKET NUMBER:	11-009C	
NAME OF SUBMITTER:	HENRY E. BARTONY, JR.	
SIGNATURE:	/Henry E. Bartony, Jr., Reg. No. 34,772/	
DATE SIGNED:	12/01/2014	

Total Attachments: 4

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PATENT 503080608 REEL: 034290 FRAME: 0093

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ASSIGNMENT

WHEREAS, **ALEXANDER STAR**, a citizen and resident of the United States of America, whose address is 5465 Pocusset Street, Pittsburgh, Pennsylvania 15217 United States of America, **NARASIMHA HARINDRA VEDALA**, a citizen of India and resident of the United States of America, whose address is 259 Shady Ave, Apt. # 205, Pittsburgh, Pennsylvania 15206 United States of America, **GREGG PETER KOTCHEY**, a citizen and resident of the United States of America, whose address is 3 Wellington Woods Drive, Pittsburgh, Pennsylvania 15229 United States of America (hereinafter referred to as ASSIGNOR(S), have invented and own a certain invention or inventions related to

GRAPHENE COMPOSITION, METHOD OF FORMING A GRAPHENE COMPOSITION AND SENSOR SYSTEM COMPRISING A GRAPHENE COMPOSITION

which is described in a Patent Application filed on **February 9**, **2012** under application No **13/370,076**,

WHEREAS, UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, a non-profit corporation of the Commonwealth of Pennsylvania, organized and existing under the laws of the State of Pennsylvania and having a place of business at 200 Gardner Steel Conference Center, Thackeray & O'Hara Streets, Pittsburgh, Pennsylvania 15260 (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention(s) and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that In consideration of the rights and obligations of the ASSIGNOR(S) under the University of Pittsburgh Patent Policy and Procedure and of the payment by ASSIGNEE to ASSIGNOR(S) of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR(S) hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention(s) in the United States and its territorial possessions and in all foreign countries, said application, and any and all issued Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention(s) by said application or any continuation, divisional, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks and any corresponding foreign officer to issue to ASSIGNEE, its successors, assigns and legal representatives, any and all United States and foreign Letters Patent on said invention(s).

ASSIGNOR(S) hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale; and

ASSIGNOR(S) further covenant that when requested, without charge to, but at the expense of ASSIGNEE, that ASSIGNOR(S) will: 1) promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention(s), said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof; 2) execute, for all countries, all divisions, reissues, reexaminations, continuations,

renewals, extensions and all other patent applications on any and all of said invention(s); 3) communicate all facts known to ASSIGNOR(S) relating to said invention(s), said application, said Letters Patent and legal equivalents in foreign countries and the history thereof; 4) testify in all legal proceedings; and 5) generally do everything possible which Assignee, its successors, assigns and representatives shall consider desirable for aiding in securing, maintaining and/or enforcing ASSIGNEE'S rights and patent protection in said invention(s), and for vesting title therein in ASSIGNEE, its successors, assigns and legal representatives.

ASSIGNOR(S) further agree that ASSIGNEE shall have and to hold the interests assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, reexaminations, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment not been made.

This Assignment of Invention, effective as of February 9, 2012, may be executed by the parties in multiple counterparts, each of which shall be deemed an original.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this $\underline{\underline{\omega}}$ day of , 2012.

STATE OF <u>Penrsylvania</u>

COUNTY OF Alegheny

BE IT KNOWN, that on this day of March 2012, before me personally came

Alexander Star, to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes

therein mentioned.

Notary Public

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261.

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renewals, extensions and all other patent applications on any and all of said invention(s); 3) communicate all facts known to ASSIGNOR(S) relating to said invention(s), said application, said Letters Patent and legal equivalents in foreign countries and the history thereof; 4) testify in all legal proceedings; and 5) generally do everything possible which Assignee, its successors, assigns and representatives shall consider desirable for aiding in securing, maintaining and/or enforcing ASSIGNEE'S rights and patent protection in said invention(s), and for vesting title therein in ASSIGNEE, its successors, assigns and legal representatives.

ASSIGNOR(S) further agree that ASSIGNEE shall have and to hold the interests assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, reexaminations, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment not been made.

This Assignment of Invention, effective as of February 9, 2012, may be executed by the parties in multiple counterparts, each of which shall be deemed an original.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 6 day of

HARINDRA VEDALA NARASIMHA Narasimha Harindra Vedala

STATE OF Pennsylvama

COUNTY OF Alegheny

Harindra Vedala Narasimha, to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned. Notary Public

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261.

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renewals, extensions and all other patent applications on any and all of said invention(s); 3) communicate all facts known to ASSIGNOR(S) relating to said invention(s), said application, said Letters Patent and legal equivalents in foreign countries and the history thereof; 4) testify in all legal proceedings; and 5) generally do everything possible which Assignee, its successors, assigns and representatives shall consider desirable for aiding in securing, maintaining and/or enforcing ASSIGNEE'S rights and patent protection in said invention(s), and for vesting title therein in ASSIGNEE, its successors, assigns and legal representatives.

ASSIGNOR(S) further agree that ASSIGNEE shall have and to hold the interests assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, reexaminations, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment not been made.

This Assignment of Invention, effective as of February 9, 2012, may be executed by the parties in multiple counterparts, each of which shall be deemed an original.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this day of March , 2012

GREGG PETER KOTCHEY

STATE OF <u>Pennsylvania</u>) ss.

COUNTY OF <u>Aluheny</u>)

BE IT KNOWN, that on this 6th day of March, 20/12 before me personally came Gregg Peter Kotchey, to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned. Carra Crauded

Notary Public

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261.

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PATENT REEL: 034290 FRAME: 0098

RECORDED: 12/01/2014