

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>Ronen Polsky</td> <td>04/22/2013</td> </tr> <tr> <td>Xiaoyin Xiao</td> <td>04/22/2013</td> </tr> <tr> <td>David Bruce Burckel</td> <td>04/22/2013</td> </tr> <tr> <td>David R. Wheeler</td> <td>04/22/2013</td> </tr> <tr> <td>Susan M. Brozik</td> <td>04/22/2013</td> </tr> </tbody> </table> | | Name | Execution Date | Ronen Polsky | 04/22/2013 | Xiaoyin Xiao | 04/22/2013 | David Bruce Burckel | 04/22/2013 | David R. Wheeler | 04/22/2013 | Susan M. Brozik | 04/22/2013 |
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| RECEIVING PARTY DATA | | | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>Sandia Corporation</td> </tr> <tr> <td>Street Address:</td> <td>P.O. Box 5800, MS-0161</td> </tr> <tr> <td>Internal Address:</td> <td>Legal Technology Transfer Center</td> </tr> <tr> <td>City:</td> <td>Albuquerque</td> </tr> <tr> <td>State/Country:</td> <td>NEW MEXICO</td> </tr> <tr> <td>Postal Code:</td> <td>87185</td> </tr> </table> | | Name: | Sandia Corporation | Street Address: | P.O. Box 5800, MS-0161 | Internal Address: | Legal Technology Transfer Center | City: | Albuquerque | State/Country: | NEW MEXICO | Postal Code: | 87185 |
| Name: | Sandia Corporation | | | | | | | | | | | | |
| Street Address: | P.O. Box 5800, MS-0161 | | | | | | | | | | | | |
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| Postal Code: | 87185 | | | | | | | | | | | | |
| 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>13790524</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13790524 | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | |
| Application Number: | 13790524 | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | |
| <p>Fax Number: 5058441418 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 505-844-2285 Email: lholstli@sandia.gov Correspondent Name: Sandia National Laboratories Address Line 1: P.O. Box 5800, MS-0161 Address Line 2: Legal Technology Transfer Center Address Line 4: Albuquerque, NEW MEXICO 87185</p> | | | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | SD12176/S129320 | | | | | | | | | | | | |

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|--|----------------|
| NAME OF SUBMITTER: | Lori Holslin |
| Signature: | /Lori Holslin/ |
| Date: | 07/30/2013 |
| Total Attachments: 2 source=SD12176_Assignment_AsRecorded_2013_07_30#page1.tif source=SD12176_Assignment_AsRecorded_2013_07_30#page2.tif | |

ASSIGNMENT

WHEREAS Ronen Polsky, Xiaoyin Xiao, David Bruce Burckel, David R. Wheeler, and Susan M. Brozik of Albuquerque, New Mexico, has(have) made an invention relating to **PATTERNED STRUCTURES OF GRAPHENE AND GRAPHITIC CARBON AND METHODS FOR THEIR MANUFACTURE**, in the course of the work authorized by Contract DE-AC04-94AL85000 between SANDIA CORPORATION and the UNITED STATES DEPARTMENT OF ENERGY, said invention being disclosed and claimed in an application for United States patent, identified as Application No. 13/790,524, filed March 8, 2013, DOE Docket No: S-129,320 duly executed by said inventor(s) and

WHEREAS Inventor(s), in consideration of employment by Sandia Corporation, has(have) assigned to Sandia Corporation, its successors and assigns, all of Inventor(s) rights to inventions, discoveries, or improvements made or conceived in the course of their employment; and

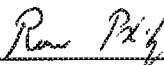
WHEREAS, title to the above-identified invention vests in the Government of the United States, as represented by the U.S. Department of Energy, as governed by 42 U.S.C. 5908; and

WHEREAS, the Government of the United States, as represented by the U.S. Department of Energy has granted a waiver of Government rights in the above-identified invention to Sandia Corporation; and

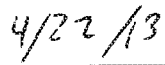
THEREFORE, Inventor(s) hereby sells, assigns, and transfers unto Sandia Corporation their entire right, title, and interest in and to said invention and in and to all resulting patents, wherever they may be granted, as well as reissues or extensions of said patents, to the extent that Inventor(s) right, title, and interest in and to said invention has(have) not already been sold, assigned, or transferred to Sandia Corporation by Inventor(s) in consideration of Inventor(s) employment by Sandia Corporation.

Inventor(s) covenants with Sandia Corporation that, except for the rights, if any, of the Government, his/her interest in the rights and property herein conveyed is free and clear of any encumbrance and that they have full right to convey the same as herein expressed. They agree, at the request of Sandia corporation, to make, execute, and deliver to Sandia Corporation, the Government, or other party prosecuting patent applications on this invention, any and all papers, documents, affidavits, applications, statements or other instruments relating to said invention, take all rightful oaths and do all acts as may reasonably be required of them in or incident to the prosecution of any or all applications on said invention or in the adjustment or settlement of any interferences or other actions or proceedings that said applications or patents thereon may encounter or in which they may become involved.

Signed at Albuquerque, New Mexico.



Ronen Polsky



Date



Xiaoyin Xiao

4-22-2013

Date

David Bruce Burckel

4-22-2013
Date


David R. Wheeler

4/22/13
Date

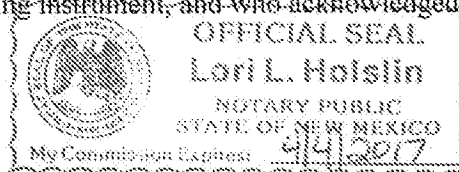

Susan M. Brozik

4/22/13
Date

[illegible]

On the above dates, personally appeared before me, Lori L. Holslin, Notary Public, **Ronen Polsky, Xiaoyin Xiao, David Bruce Burckel, David R. Wheeler, and Susan M. Brozik**, to me known to be the individual(s) described in and who executed the foregoing instrument, and who acknowledged to me that they executed the same.

Notary Public



Approved and consented by:

SANDIA CORPORATION

Date: 6/29/2013


Kerry Kampschmidt
Senior Managing IP Counsel
Legal Technology Transfer Center