

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Seth Adrian Miller</td> <td>01/09/2012</td> </tr> <tr> <td>Gary L. Duerksen</td> <td>01/17/2012</td> </tr> </tbody> </table>		Name	Execution Date	Seth Adrian Miller	01/09/2012	Gary L. Duerksen	01/17/2012				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Ardent Research Corporation</td> </tr> <tr> <td>Street Address:</td> <td>13842 Deergrass Ct.</td> </tr> <tr> <td>City:</td> <td>Poway</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>92064-2276</td> </tr> </table>		Name:	Ardent Research Corporation	Street Address:	13842 Deergrass Ct.	City:	Poway	State/Country:	CALIFORNIA	Postal Code:	92064-2276
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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>13640272</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13640272						
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CORRESPONDENCE DATA											
<p>Fax Number: 7704364613 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 352-505-9200 Email: ip-paralegal@turkiplaw.com Correspondent Name: Turk IP Law, LLC Address Line 1: 1770 Highlands View Address Line 4: Smyrna, GEORGIA 30082</p>											
ATTORNEY DOCKET NUMBER:	2817.0041USWO										
NAME OF SUBMITTER:	Carl K. Turk										
<p>Total Attachments: 4 source=ASSIGNMENT1#page1.tif source=ASSIGNMENT1#page2.tif source=ASSIGNMENT1#page3.tif source=ASSIGNMENT1#page4.tif</p>											

PATENT

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ASSIGNMENT OF PATENT RIGHTS

For valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Seth Adrian Miller of 6057 S. Kenton St., Englewood, CO 80111, U.S., and Gary L. Duerksen of 6585 Overland Road, Ward, CO 80481, U.S., ("**Assignors**"), effective as of April 15, 2011, hereby sell, assign, transfer, and convey unto Ardent Research Corporation, a corporation of the state of California, having a principal place of business at 13842 Deergrass Ct., Poway, CA 92064-2276 U.S. ("**Assignee**"), all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "**Rights**");

1. the inventions disclosed in the solution report/invention disclosure titled "*Accelerating transport through graphene membranes*" and all inventions claimed and/or described in the Application (collectively, the "**Invention**");
2. the patent applications listed in the table below (the "**Application**");

Patent Application No.	Country	Filing Date	Title
PCT/US12/22858	US	January 27, 2012	ACCELERATING TRANSPORT THROUGH GRAPHENE MEMBRANES
13/640,272	WO	October 9, 2012	ACCELERATING TRANSPORT THROUGH GRAPHENE MEMBRANES

3. all rights with respect to the Invention, including all U.S. patents or other governmental grants or issuances that may be granted with respect to the Invention or from any direct or indirect divisionals, continuations, continuations-in-part, or other patent applications claiming priority rights from the Application ("**Potential Patents**");
4. all reissues, reexaminations, extensions, or registrations of the Potential Patents;
5. all non-United States patents, patent applications, and counterparts relating to any or all of the Invention, the Application, and the Potential Patents, including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances ("**Foreign Rights**"), and including the right to file foreign applications directly in the name of Assignee, its successors and assigns;
6. all rights to claim priority rights deriving from the Application;
7. all causes of action and remedies related to any or all of the Application, the Invention, the Potential Patents, and the Foreign Rights (including, without limitation, the right to sue for past, present, or future infringement, misappropriation or violation of rights related to any of the foregoing and the right to collect royalties and other payments under or on account of any of the foregoing); and

8. any and all other rights and interests arising out of, in connection with, or in relation to the Application, the Invention, Potential Patents, and the Foreign Rights.

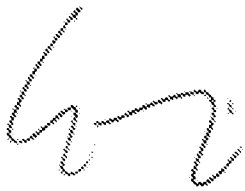
Assignor will not sign any document or do any act conflicting with this Assignment, and, without further compensation, will sign all documents and do such additional acts as Assignee, its successors, legal representatives, and assigns deem necessary or desirable to perfect enjoyment of the Rights, conduct proceedings regarding the Rights (including any litigation or interference proceedings), or perfect or defend title to the Rights. Assignor requests the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models, or other governmental grants or issuances that may be granted upon any of the Rights in the name of the Assignee, as the assignee to the entire interest therein.

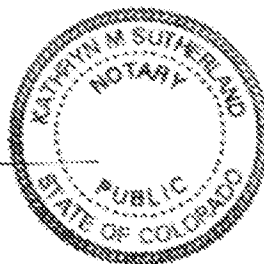
Assignor hereby authorizes and requests authorized representative to insert on this Assignment the filing date and Patent Application Numbers in the table above when known.

The terms and conditions of this Assignment will inure to the benefit of Assignee, its successors, legal representatives, and assigns and will be binding upon Assignor, their successors, legal representatives and assigns.

[Signature Page(s) to Follow]

By:


Seth Adrian Miller
6057 S. Kenton St.
Englewood, CO 80111, U.S.



My Commission Expires: 01/13/2013

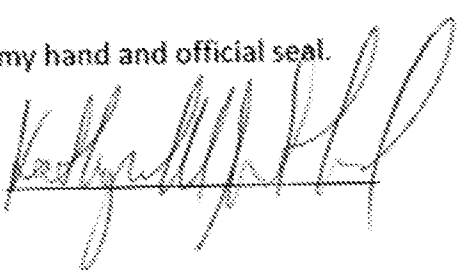
NOTARIZATION

STATE OF Colorado)
COUNTY OF Denver) ss.

On 9th January, 2012, before me, Kathryn Sutherland Notary Public, personally appeared Seth Adrian Miller, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of Colorado that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature 

By:

Gary L. Duerksen

Gary L. Duerksen
6585 Overland Road
Ward, CO, 80481

NOTARIZATION

STATE OF Colorado)

COUNTY OF Jefferson) ss.

On January 17, 2012, before me, Rosalind Ellis, Notary Public, personally appeared Gary L. Duerksen, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of Colorado that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

Rosalind Ellis

