

## PATENT ASSIGNMENT

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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>THOMAS A. YAGER</td> <td>04/01/2013</td> </tr> <tr> <td>SETH ADRIAN MILLER</td> <td>04/05/2013</td> </tr> </tbody> </table>		Name	Execution Date	THOMAS A. YAGER	04/01/2013	SETH ADRIAN MILLER	04/05/2013
Name	Execution Date						
THOMAS A. YAGER	04/01/2013						
SETH ADRIAN MILLER	04/05/2013						
RECEIVING PARTY DATA							
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Postal Code:	92064						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>PCT Number:</td> <td>US1337175</td> </tr> </tbody> </table>		Property Type	Number	PCT Number:	US1337175		
Property Type	Number						
PCT Number:	US1337175						
CORRESPONDENCE DATA							
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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ATTORNEY DOCKET NUMBER:	M-6300.144 PCT						
NAME OF SUBMITTER:	STEVEN S. RUBIN						
Signature:	/STEVEN S. RUBIN/						
Date:	04/18/2013						

OP \$40.00 US1337175

Total Attachments: 4

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## ASSIGNMENT OF PATENT RIGHTS

For valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Thomas A. YAGER, of 1953 Crest Dr., Encinitas, CA 92024, U.S., and Seth Adrian MILLER, of 6057 S Kenton St Englewood, CO 80111, U.S. ("**Assignor**"), effective as of April 06, 2012, hereby sells, assigns, transfers, and conveys 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 "**Fluorescent labeling of voids and cracks in Graphene**" 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/US13/37175	PCT	APRIL 18, 2013	METHODS AND SYSTEMS FOR LABELING AND DETECTING DEFECTS IN A GRAPHENE LAYER

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]



