

## 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>Ramaprabhu SUNDARA</td><td>09/03/2011</td></tr><tr><td>Eswaraiah VARRLA</td><td>09/03/2011</td></tr><tr><td>Jyothimayee Aravind SASIDHARANNAIR SASIKALADEVI</td><td>09/03/2011</td></tr></tbody></table>	Name	Execution Date	Ramaprabhu SUNDARA	09/03/2011	Eswaraiah VARRLA	09/03/2011	Jyothimayee Aravind SASIDHARANNAIR SASIKALADEVI	09/03/2011			
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<table border="1"><tr><td>Name:</td><td>INDIAN INSTITUTE OF TECHNOLOGY MADRAS</td></tr><tr><td>Street Address:</td><td>Chennai</td></tr><tr><td>City:</td><td>Tamil Nadu</td></tr><tr><td>State/Country:</td><td>INDIA</td></tr><tr><td>Postal Code:</td><td>600036</td></tr></table>	Name:	INDIAN INSTITUTE OF TECHNOLOGY MADRAS	Street Address:	Chennai	City:	Tamil Nadu	State/Country:	INDIA	Postal Code:	600036	
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
Fax Number: (412)281-0717 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	138248.01401										
NAME OF SUBMITTER:	Joseph T. Helmsen										
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PATENT  
REEL: 026861 FRAME: 0853

### ASSIGNMENT OF PATENT RIGHTS

For valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Ramaprabhu SUNDARA, B 20, Lake View Road, Indian Institute Of Technology Madras, Chennai - 600036, Tamil Nadu, India and Eswaraiah VARRLA, Raithunagar, Nandyal, Kurnool, Andhra Pradesh- 518502, India and Jyothirmayee Aravind SASIDHARANNAIR SASIKALADEVI, Jyothisree, Kurakode, Kudayal, Trivandrum, Kerala- 695 505, India

([collectively,] “Assignor”),

effective as of February 09, 2011 hereby sells, assigns, transfers, and conveys unto Indian Institute of Technology Madras, Chennai 600036, Tamil Nadu, India (“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 Economic and Large Scale Production of Graphene by Exfoliation of Graphite using Converged Solar Electromagnetic radiation – a green and low temperature method 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
13/226,321	US	Sept. 6, 2011	Production of Graphene Using Electromagnetic Radiation

3. all rights with respect to the Invention, including all UNITED STATES 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: \_\_\_\_\_

Print name: Ramaprabhu SUNDARA

**ATTESTATION**

The undersigned witnessed the signature of Ramaprabhu SUNDARA to this document and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Ramaprabhu SUNDARA is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on 3rd Sep. 2011, to execute this document.
3. Ramaprabhu SUNDARA subscribed to this document.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that the foregoing is true and correct.

By: \_\_\_\_\_

Print name: [Name of 1<sup>st</sup> Attestor] DIVYA P

By: \_\_\_\_\_

Print name: [Name of 2<sup>nd</sup> Attestor] VINAYAN B.P.

By: Eswaraiah

Print name: Eswaraiah VARRLA

**ATTESTATION**

The undersigned witnessed the signature of Eswaraiah VARRLA to this document and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Eswaraiah VARRLA is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on 3rd Sep, 2011, to execute this document.
3. Eswaraiah VARRLA subscribed to this document.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that the foregoing is true and correct.

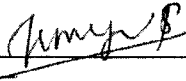
By: K. M. Rajesh

Print name: [Name of 1<sup>st</sup> Attestor] KALLU MATTAM RAJESH

By: Jaidar

Print name: [Name of 2<sup>nd</sup> Attestor] Jaidar

By:



Print name:

Jyothirmayee Aravind SASIDHARANNAIR SASIKALADEVI

**ATTESTATION**

The undersigned witnessed the signature of Jyothirmayee Aravind SASIDHARANNAIR SASIKALADEVI to this document and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.

2. Jyothirmayee Aravind SASIDHARANNAIR SASIKALADEVI is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on 3rd Sep, 2011, to execute this document.

3. Jyothirmayee Aravind SASIDHARANNAIR SASIKALADEVI subscribed to this document.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that the foregoing is true and correct.

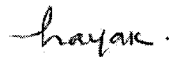
By:



Print name: [Name of 1<sup>st</sup> Attestor]

MR EDULA BARO

By:



Print name: [Name of 2<sup>nd</sup> Attestor]

PRANATI NAYAK