

PATENT ASSIGNMENT

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NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
S. Sundar MANOHARAN	04/15/2011
RECEIVING PARTY DATA	
Name:	Indian Institute of Technology Kanpur
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PROPERTY NUMBERS Total: 1	
Property Type	Number
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ATTORNEY DOCKET NUMBER:	091619-0644
NAME OF SUBMITTER:	Jeffrey R.Lomprey
Total Attachments: 3 source=IN-800899-03-US-NAT_2012 02 10_As filed Assignment_FormB#page1.tif source=IN-800899-03-US-NAT_2012 02 10_As filed Assignment_FormB#page2.tif source=IN-800899-03-US-NAT_2012 02 10_As filed Assignment_FormB#page3.tif	

OP \$40.00 13371063

PATENT

ASSIGNMENT OF PATENT RIGHTS

For valuable consideration, the receipt and sufficiency of which is hereby acknowledged, S. Sundar MANOHARAN, Type IV 4006, Indian Institute of Technology Kanpur, Kanpur 208016, Uttar Pradesh, India ("Assignor"),

effective as of May 17, 2010 hereby sells, assigns, transfers, and conveys unto Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016, 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 ORGANIC PHOTONIC MATERIALS (ZINC BASED) AS PRECURSORS FOR INORGANIC PHOTONIC MATERIALS IN BULK, FILM AND NANOWIRE FORM 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
384/DEL/2011	India	February 14, 2011	ZINC CHALCOGENIDES, DOPED ZINC CHALCOGENIDES, AND METHODS OF MAKING
PCT/IB2011/05164	PCT	04/15/2011	ZINC CHALCOGENIDES, DOPED ZINC
13/371,063	US	02/10/2012	CHALCOGENIDES, AND METHODS OF MAKING

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;

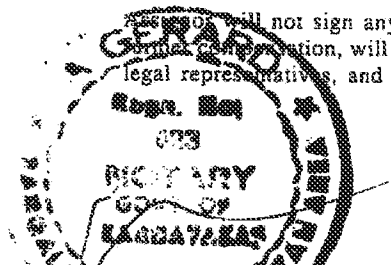
5. all non-United States patents, patent applications, and counterparts relating to any or all of the Invention, the Application, and the Potential Patents, including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental 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 Assignee's consent, Assignor 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,

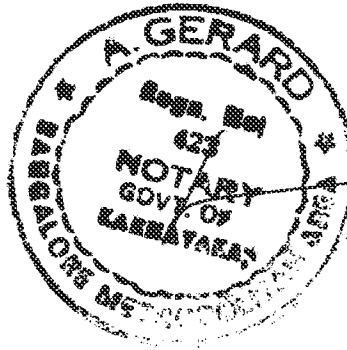


conduct proceedings regarding the Rights (including any litigation or interference proceedings), or perfect or defend title to the Rights. Assignor requests the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models, 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: S. Sundar 15th April 2011

Print name: S. Sundar MANOHARAN

ATTESTATION

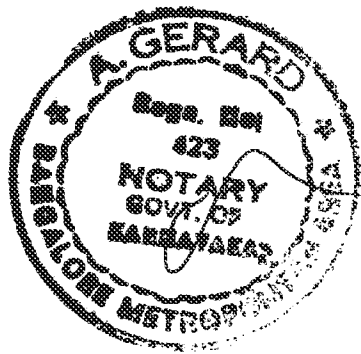
The undersigned witnessed the signature of S. Sundar MANOHARAN to this document and makes the following statements:

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. S. Sundar MANOHARAN is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on 15th APRIL, 2011, to execute this document.
3. S. Sundar MANOHARAN 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: Avani Verma
Print name: [Name of 1st Attestor] AVANI VERMA

By: [Signature]
Print name: [Name of 2nd Attestor] B.M. BASAVARAJA



ATTESTED
[Signature]
A. GERARD B.Sc., LL.B.
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No. 354, RAYAPPA ROAD
KAMMANAHALLI
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