

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>Manzoor Koyakutty</td> <td>06/03/2008</td> </tr> <tr> <td>Aditya Verma</td> <td>06/10/2008</td> </tr> <tr> <td>Sampat Raj Vedera</td> <td>05/20/2008</td> </tr> <tr> <td>Narendra Kumar</td> <td>06/13/2008</td> </tr> <tr> <td>Thundiyil Raman Narayana Kutty</td> <td>05/24/2008</td> </tr> </tbody> </table>		Name	Execution Date	Manzoor Koyakutty	06/03/2008	Aditya Verma	06/10/2008	Sampat Raj Vedera	05/20/2008	Narendra Kumar	06/13/2008	Thundiyil Raman Narayana Kutty	05/24/2008
Name	Execution Date												
Manzoor Koyakutty	06/03/2008												
Aditya Verma	06/10/2008												
Sampat Raj Vedera	05/20/2008												
Narendra Kumar	06/13/2008												
Thundiyil Raman Narayana Kutty	05/24/2008												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>The Director General Defence Research & Development Organisation</td> </tr> <tr> <td>Street Address:</td> <td>West Block-VIII, Wing 1, Sector-1, R K Puram</td> </tr> <tr> <td>Internal Address:</td> <td>Ministry of Defence, Government of India</td> </tr> <tr> <td>City:</td> <td>New Delhi</td> </tr> <tr> <td>State/Country:</td> <td>INDIA</td> </tr> <tr> <td>Postal Code:</td> <td>110 066</td> </tr> </table>		Name:	The Director General Defence Research & Development Organisation	Street Address:	West Block-VIII, Wing 1, Sector-1, R K Puram	Internal Address:	Ministry of Defence, Government of India	City:	New Delhi	State/Country:	INDIA	Postal Code:	110 066
Name:	The Director General Defence Research & Development Organisation												
Street Address:	West Block-VIII, Wing 1, Sector-1, R K Puram												
Internal Address:	Ministry of Defence, Government of India												
City:	New Delhi												
State/Country:	INDIA												
Postal Code:	110 066												
<table border="1"> <tr> <td>Name:</td> <td>Registrar, Indian Institute of Science</td> </tr> <tr> <td>Street Address:</td> <td>Malleshwaram</td> </tr> <tr> <td>City:</td> <td>Bangalore</td> </tr> <tr> <td>State/Country:</td> <td>INDIA</td> </tr> <tr> <td>Postal Code:</td> <td>560 012</td> </tr> </table>		Name:	Registrar, Indian Institute of Science	Street Address:	Malleshwaram	City:	Bangalore	State/Country:	INDIA	Postal Code:	560 012		
Name:	Registrar, Indian Institute of Science												
Street Address:	Malleshwaram												
City:	Bangalore												
State/Country:	INDIA												
Postal Code:	560 012												
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>13617843</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13617843								
Property Type	Number												
Application Number:	13617843												
CORRESPONDENCE DATA													
Fax Number:	4129455933												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	4124718815												
Email:	assignments@webblaw.com												

OP \$40.00 13617843

Correspondent Name: The Webb Law Firm PC
Address Line 1: One Gateway Center, 420 Ft. Duquesne Blv
Address Line 2: Suite 1200
Address Line 4: Pittsburgh, PENNSYLVANIA 15222

ATTORNEY DOCKET NUMBER:	4544-122141
-------------------------	-------------

NAME OF SUBMITTER:	William H. Logsdon
--------------------	--------------------

Signature:	/William H. Logsdon/
------------	----------------------

Date:	05/23/2013
-------	------------

Total Attachments: 5

source=Assignment from inventors#page1.tif
source=Assignment from inventors#page2.tif
source=Assignment from inventors#page3.tif
source=Assignment from inventors#page4.tif
source=Assignment from inventors#page5.tif

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)Manzoor Koyakutty
Aditya Verma
Sampat Raj Vedera
Narendra KumarAdditional name(s) of conveying party(ies) attached? ☒ Yes ☐ No**3. Nature of conveyance/Execution Date(s):**Execution Date(s) June 3, 2008, June 10, 2008, May 20, 2008,June 13, 2008☒ Assignment ☐ Merger☐ Security Agreement ☐ Change of Name☐ Joint Research Agreement☐ Government Interest Assignment☐ Executive Order 9424, Confirmatory License☐ Other _____**2. Name and address of receiving party(ies)**Name: The Director General Defence Research & DevelopmentInternal Address: OrganisationMinistry of Defence, Government of IndiaStreet Address: West Block-VIII, Wing 1, Sector-1, R KPuramCity: New Delhi

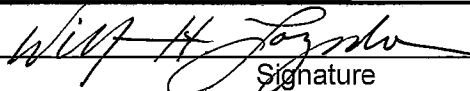
State: _____

Country: India Zip: 110 066Additional name(s) & address(es) attached? ☒ Yes ☐ No**4. Application or patent number(s):**☐ This document is being filed together with a new application.

A. Patent Application No.(s)

13/617,843

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: William H. LogsdonInternal Address: The Webb Law FirmStreet Address: One Gateway Center
420 Ft. Duquesne Blvd., Ste 1200City: PittsburghState: PA Zip: 15222Phone Number: 412-471-8815Fax Number: 412-945-5933Email Address: assignments@webblaw.com**6. Total number of applications and patents involved: 1****7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**☒ Authorized to be charged by credit card☐ Authorized to be charged to deposit account☐ Enclosed☐ None required (government interest not affecting title)**8. Payment Information**a. Credit Card Last 4 Numbers 1916Expiration Date 05/2015b. Deposit Account Number 23-0650Authorized User Name William H. Logsdon**9. Signature:**

Signature

May 23, 2013

Date

William H. Logsdon

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

5Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

Page 2

U.S. Patent Application No. 13/617,843, filed 9/14/2012

U.S. Patent No. _____, issued _____

Additional Information (continued from Page 1)**Name of conveying party(ies)**

Thundyil Raman Narayana Kuty

Execution Date(s): May 24, 2008**Name and address of receiving party(ies)**Name: Registrar, Indian Institute of Science

Internal Address: _____

Street Address: _____

City: Malleshwaram, BangaloreState: KarnatakaCountry: INDIA Zip: 560 012**Name of conveying party(ies)**

Execution Date(s): _____

Name and address of receiving party(ies)

Name: _____

Internal Address: _____

Street Address: _____

City: _____

State: _____

Country: _____ Zip: _____

INTERNATIONAL
Application No. 12/088,590
Attorney Docket No. 4544-081028

ASSIGNMENT

WHEREAS, as a below named inventor, I have invented certain new and useful improvements in

SINGLE-SOURCE PRECURSOR FOR SEMICONDUCTOR NANOCRYSTALS

(Invention Title)

☐ for which I have this day executed an application for a United States Patent (hereinafter "said application").

AND/OR

☒ for which an application for a United States Patent was filed on 03/28/2008 (mm/dd/yyyy) and bears Application Number 12/088,590 (hereinafter "said application").

AND/OR

☒ for which an international patent application was filed under the Patent Cooperation Treaty on 06/27/2006 (mm/dd/yyyy), bearing Application No. PCT/IN2006/000214 (hereinafter "said application").

AND, WHEREAS, **THE DIRECTOR GENERAL DEFENCE RESEARCH & DEVELOPMENT ORGANISATION and REGISTRAR, INDIAN INSTITUTE OF SCIENCE**, both corporations of India, having places of business at Ministry of Defence, Government of India, West Block-VIII, Wing 1, Sector-1, R K Puram, New Delhi 110 066; and Malleshwaram, Bangalore 560 012, Karnataka, India; respectively, hereinafter called the "assignees", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said assignees, the receipt of which is hereby acknowledged, I as the inventor or as one of the inventors, hereinafter the assignor(s), do hereby assign, sell and transfer unto said assignee the full and exclusive right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made.

I hereby authorize and request any attorney associated with The Webb Law Firm, Customer No. 28289, to insert here in parentheses (Application No. 12/088,590, filed 03/28/2008) the filing date and application number of said application when known.

I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make this Assignment.

INTERNATIONAL
Application No. 12/088,590
Attorney Docket No. 4544-081028

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

1. FULL NAME OF ASSIGNOR:

RESIDENCE:

Manzoor KOYAKUTTY

Rajasthan, India

EXECUTED this 03 day of June, 2008



SIGNATURE

WITNESS:

Rajesh Rampal

(Dr. Rajesh Rampal)

SCF, Defence Laboratory, Jodhpur

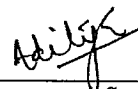
2. FULL NAME OF ASSIGNOR:

RESIDENCE:

Aditya VERMA

Rajasthan, India

EXECUTED this 10 day of June, 2008



SIGNATURE

WITNESS:

Rajesh Rampal

(Dr. Rajesh Rampal)

SCF, Defence Laboratory, Jodhpur

☒ Checked Box indicates 1 additional page(s) for inventor signatures.

INTERNATIONAL
Application No. 12/088,590
Attorney Docket No. 4544-081028

3. FULL NAME OF ASSIGNOR:

RESIDENCE:

Sampat Raj VEDERA

Rajasthan, India

EXECUTED this 20 day of May, 2008

[Signature]

SIGNATURE

WITNESS:

Rajesh Rampal
(Dr. Rajesh Rampal)
Sc F, Defence Laboratory, Jodhpur

4. FULL NAME OF ASSIGNOR:

RESIDENCE:

Narendra KUMAR

Rajasthan, India

EXECUTED this 13 day of June, 2008

[Signature]

SIGNATURE

WITNESS:

Rajesh Rampal
(Dr. Rajesh Rampal)
Sc F, Defence Laboratory, Jodhpur

5. FULL NAME OF ASSIGNOR:

RESIDENCE:

Thundiyil Raman Narayana KUTTY

Rajasthan, India

EXECUTED this 24th day of May, 2008

[Signature]

SIGNATURE

WITNESS:

Rajesh Rampal
(Dr. Rajesh Rampal)
Sc F, Defence Laboratory, Jodhpur