

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>Qijie Guo</td><td>08/26/2011</td></tr><tr><td>Rakesh Agrawal</td><td>08/29/2011</td></tr><tr><td>Hugh Hillhouse</td><td>10/03/2011</td></tr></tbody></table>		Name	Execution Date	Qijie Guo	08/26/2011	Rakesh Agrawal	08/29/2011	Hugh Hillhouse	10/03/2011		
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RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Purdue Research Foundation</td></tr><tr><td>Street Address:</td><td>1281 Win Hentschel Blvd.</td></tr><tr><td>City:</td><td>West Lafayette</td></tr><tr><td>State/Country:</td><td>INDIANA</td></tr><tr><td>Postal Code:</td><td>47906</td></tr></table>		Name:	Purdue Research Foundation	Street Address:	1281 Win Hentschel Blvd.	City:	West Lafayette	State/Country:	INDIANA	Postal Code:	47906
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PROPERTY NUMBERS Total: 1											
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Application Number:	13145016										
CORRESPONDENCE DATA											
Fax Number: (919)481-1110											
Email: bwilson@brinkshofer.com											
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name: Brinks Hofer Gilson & Lione											
Address Line 1: 2801 Slater Road											
Address Line 4: Morrisville, NORTH CAROLINA 27560-8477											
NAME OF SUBMITTER:	Daniel A. Rube										
Total Attachments: 7 source=12264-472_Executed Assignment#page1.tif source=12264-472_Executed Assignment#page2.tif source=12264-472_Executed Assignment#page3.tif source=12264-472_Executed Assignment#page4.tif source=12264-472_Executed Assignment#page5.tif source=12264-472_Executed Assignment#page6.tif source=12264-472_Executed Assignment#page7.tif											

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PATENT
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ASSIGNMENT

WHEREAS, WE, QIJIE GUO, citizen of the *United States*; **RAKESH AGRAWAL**, citizen of the *United States*; **HUGH HILLHOUSE**, citizen of the *United States*; (hereinafter "Assignors"), have made or developed a technology, generally known as:

**"SELENIZATION OF PRECURSOR LAYER CONTAINING CUINS2
NANOPARTICLES",**

which is further described in a United States patent application filed on July 18, 2011, and accorded Application No. *13/145,016*, ("Technology"); and

WHEREAS, Purdue Research Foundation, a statutory body corporate formed and existing under the Indiana Foundation or Holding Companies Act of 1921, having a place of business at *1281 Win Hentschel Blvd, West Lafayette, IN 47906* (hereinafter "Assignee"), is desirous of accepting and assuming all such right, title, and interests of the Assignor.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, the Assignor(s) do hereby sell, transfer, convey, assign and deliver unto the Assignee, its successors, assigns and legal representatives, any and all intellectual property rights related to the Technology, including but not limited to: all precursors, portions, and works in progress with respect thereto and all inventions, works of authorship, masks works, technology, information, know-how, materials and tools relating thereto or to the development, support or maintenance thereof; all copyright, patent rights, trade secret rights, trademark rights, mask works rights, and all other intellectual property rights and all business, contract rights and goodwill in, incorporated or embodied in, used to develop, or related to any of the foregoing and any registrations and applications for registrations of the foregoing throughout the United States of America and the world and any and all other applications arising therefrom, including any and all divisions and continuations of the Technology, and any and all patents to be issued and obtained therefore and thereon, in the United States and throughout the world, including all

reissues, substitutions, supplements, and extensions thereof (collectively, the "Intellectual Property");

AND WE HEREBY agree to communicate to Assignee or its representative any facts known to us respecting the Technology whether or not patentable, which we may conceive, develop, make, produce or reduce to practice in whole or in part as a result of any employment, research, or activity involving or relating to the use of Purdue University resources; and agree to sign all lawful documents and make all rightful oaths and declarations relating to said Technology and Intellectual Property; authorize Assignee to insert herein the date of application, serial number, date of registration, and registration number of patents issued once known; and agree to otherwise aid ASSIGNEE as necessary and desirable to:

1. Obtain, enforce, and maintain any issued letters patent in the United States or throughout the world, when reasonably requested to do so by Assignee, including but not limited to executing, acknowledging, and delivering to Assignee such written documents and instruments as Assignee requests and giving testimony in support of Assignee's inventorship, as may be necessary in Assignee's opinion to obtain and maintain patents in the United States of America and throughout the world;

2. Secure or aid in securing and maintaining copyright protection in the Intellectual Property and assist Assignee or its nominees in filing applications to register copyright in the name of Assignee as owner in such Intellectual Property; and

3. Execute, acknowledge, and deliver to Assignee at its expense, such written documents and instruments and do such other acts as may be necessary in the opinion of Assignee, to vest the entire rights, title, and interests in and to the Intellectual Property to Assignee and to confirm the complete ownership thereof by Assignee.

AND WE HEREBY authorize ASSIGNEE to take any and all action necessary to effectuate this Assignment, including but not limited to, the filing of the Assignment with the U.S. Patent and Trademark Office and U.S. Copyright Office.

AND *WE* HEREBY authorize and request the Director of the U.S. Patent and Trademark Office or any other proper officer or agency throughout the world to issue any and all said letters patent to Assignee.

AND *WE* HEREBY warrant and covenant that *we* have full rights to convey the entire right, title and interest herein assigned and that *we* have not executed and will not execute any instrument or assignment in conflict herewith;

This Assignment shall be binding upon Assignor(s) and their heirs, successors, and assigns. Should any term of this Assignment be found invalid or unenforceable, it shall not affect the validity or enforceability of any other term of this Assignment. The laws of the State of Indiana will govern the interpretation, validity, and effect of this Assignment, without regard to the place of making or to the place of performance.

[SIGNATURES ON NEXT PAGE]

IN WITNESS WHEREOF, *We* have hereunto set our hands and seals.

ASSIGNOR:

8-26-2011
Date

Qijie Guo
QIJIE GUO

County of Ocean
State of New Jersey)

ss:

On this 26th day of August 2011, before me a Notary Public in and for the County and State aforesaid, personally appeared *Qijie Guo*, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of *his/her* free act and deed.

Rosemary Potkulski
Notary Public

(SEAL)

My commission Expires 2-8-2012

ROSEMARY POTKULSKI
NOTARY PUBLIC
STATE OF NEW JERSEY
MY COMMISSION EXPIRES FEBRUARY 08, 2012

29 Aug '11
Date

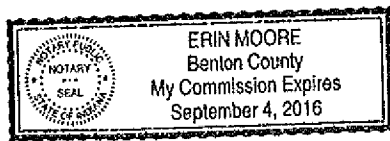
Rakesh Agrawal
RAKESH AGRAWAL

County of Tippecanoe)

State of Indiana) ss:

On this 29 day of August, 2011, before me a Notary Public in and for the County and State aforesaid, personally appeared Rakesh Agrawal, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of *his/her* free act and deed.

(SEAL)



Erin Moore
Notary Public

My commission Expires 9-4-2016

10/3/2011
Date

Hugh Hillhouse
HUGH HILLHOUSE

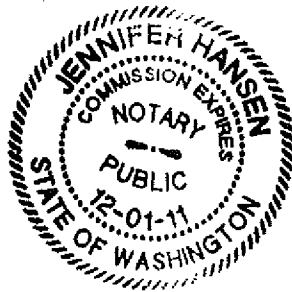
County of King

State of Washington }

ss:

On this 3rd day of October, 2011, before me a Notary Public in and for the County and State aforesaid, personally appeared Hugh Hillhouse, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his/her free act and deed.

(SEAL)



Jennifer Hansen
Notary Public

My commission Expires 12/1/11

ACCEPTED BY ASSIGNEE:

7 October 2011

Date

By: Elizabeth A. Hart-Wells

Printed: Elizabeth A. Hart-Wells

Title: Assistant Vice-President and Director

Office of Technology Commercialization

Purdue Research Foundation