

PATENT ASSIGNMENT COVER SHEET

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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>PAUL DUCHEYNE</td> <td>04/12/2012</td> </tr> <tr> <td>SANJIB BHATTACHARYYA</td> <td>04/12/2012</td> </tr> </tbody> </table>		Name	Execution Date	PAUL DUCHEYNE	04/12/2012	SANJIB BHATTACHARYYA	04/12/2012
Name	Execution Date						
PAUL DUCHEYNE	04/12/2012						
SANJIB BHATTACHARYYA	04/12/2012						
RECEIVING PARTY DATA							
Name:	THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA						
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City:	PHILADELPHIA						
State/Country:	PENNSYLVANIA						
Postal Code:	19104						
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>14110839</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14110839		
Property Type	Number						
Application Number:	14110839						
CORRESPONDENCE DATA							
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ATTORNEY DOCKET NUMBER:	UPN-5882 / X5908						
NAME OF SUBMITTER:	VALERIE CHICCHI						
Signature:	/Valerie Chicchi/						

Date:

10/09/2013

Total Attachments: 4

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ASSIGNMENT

WHEREAS, I, Paul Ducheyne, a dual citizen of United States and Belgium, residing at 763 Applegate Lane, Rosemont, Pennsylvania 19010, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number UPN-5563 / X5908 ("the invention"), which is entitled COATED MESOPOROUS NANOPARTICLES ("the subject application"). I authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, The Trustees Of The University Of Pennsylvania, ASSIGNEE, having a place of business at 3160 Chestnut Street, Suite 200, Philadelphia, Pennsylvania 19104, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

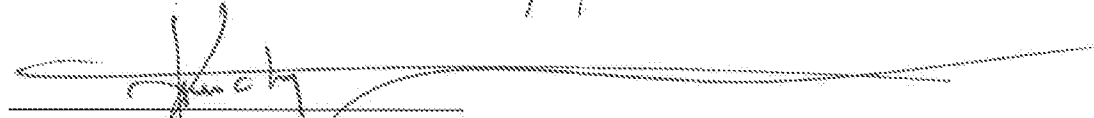
AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal

DOCKET NO.: UPN-5563 / X5908

representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 12th day of April, year of 2012


Signature -- Paul Ducheyne

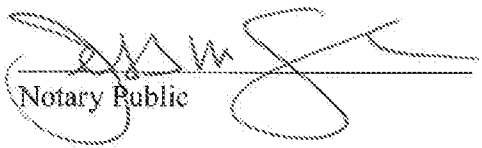
STATEMENT OF NOTARY PUBLIC

STATE OF Pennsylvania :

: SS

COUNTY OF Philadelphia :

On this 12th day of April, year of 2012, before me personally came the above named **Paul Ducheyne** to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.


Notary Public

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Jessica M. Coyle, Notary Public
City of Philadelphia, Philadelphia County
My Commission Expires Feb. 26, 2013
Member, Pennsylvania Association of Notaries

The foregoing assignment covers patent application number **61/475,100**, filed on **April 13, 2011**.

/David B. Hoffman/
Name of Attorney: David B. Hoffman
Registration No.: 62,835
Date of Insertion: April 12, 2012

ASSIGNMENT

WHEREAS, I, Sanjib Bhattacharyya, a citizen of India, residing at 33-9 Revere Road, Drexel Hill, Pennsylvania 19026, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number UPN-5563 / X5908 ("the invention"), which is entitled COATED MESOPOROUS NANOPARTICLES ("the subject application"). I authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, The Trustees Of The University Of Pennsylvania, ASSIGNEE, having a place of business at 3160 Chestnut Street, Suite 200, Philadelphia, Pennsylvania 19104, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

DOCKET NO.: UPN-5563 / X5908

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 12th day of April, year of 2012.

Sanjib Bhattacharyya
Signature – Sanjib Bhattacharyya

STATEMENT OF NOTARY PUBLIC

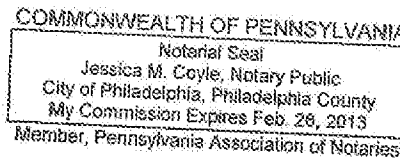
STATE OF Pennsylvania :

: SS

COUNTY OF Philadelphia :

On this 12th day of April, year of 2012, before me personally came the above named Sanjib Bhattacharyya to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

[Signature]
Notary Public



The foregoing assignment covers patent application number 61/475,100, filed on April 13, 2011.

/David B. Hoffman/
Name of Attorney: David B. Hoffman
Registration No.: 62,835
Date of Insertion: April 12, 2012