

## 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>Rakesh K. Gupta</td> <td>06/24/2011</td> </tr> <tr> <td>Sushant Agarwal</td> <td>06/24/2011</td> </tr> <tr> <td>Elliot Roth</td> <td>06/24/2011</td> </tr> </tbody> </table>		Name	Execution Date	Rakesh K. Gupta	06/24/2011	Sushant Agarwal	06/24/2011	Elliot Roth	06/24/2011		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>West Virginia University</td> </tr> <tr> <td>Street Address:</td> <td>886 Chestnut Ridge Road</td> </tr> <tr> <td>City:</td> <td>Morgantown</td> </tr> <tr> <td>State/Country:</td> <td>WEST VIRGINIA</td> </tr> <tr> <td>Postal Code:</td> <td>26506-6224</td> </tr> </table>		Name:	West Virginia University	Street Address:	886 Chestnut Ridge Road	City:	Morgantown	State/Country:	WEST VIRGINIA	Postal Code:	26506-6224
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PROPERTY NUMBERS Total: 2											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>61555507</td> </tr> <tr> <td>Application Number:</td> <td>13666375</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	61555507	Application Number:	13666375				
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CORRESPONDENCE DATA											
<p>Fax Number: 4125621041  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 412-562-3978        Email: joan.bice@bipc.com        Correspondent Name: Craig G. Cochenour        Address Line 1: One Oxford Centre        Address Line 2: 301 Grant Street, 20th Floor        Address Line 4: Pittsburgh, PENNSYLVANIA 15219</p>											
ATTORNEY DOCKET NUMBER:	0074539-000006										
NAME OF SUBMITTER:	Craig G. Cochenour										
<p>Total Attachments: 3        source=0074539-000006_Assignment#page1.tif        source=0074539-000006_Assignment#page2.tif        source=0074539-000006_Assignment#page3.tif</p>											

OP \$80.00 61555507

**West Virginia University Research Corporation**  
Office of Technology Transfer

**RECORD OF ASSIGNMENT**  
to  
**WEST VIRGINIA UNIVERSITY**

*Form may be separately completed by each inventor/creator*

WHEREAS,

<b>Name of Inventor/Creator</b>	<b>Residence Address (No P.O. Box)</b>
1. Rakesh K. Gupta	109, North View Drive Morgantown, WV 26505
2. Sushant Agarwal	779, Chestnut Ridge Road, #1, Morgantown, WV26505
3. Elliot Roth	712, Beechurst Av., #2, Morgantown, WV 26505

("Assignor(s)") has/have invented/created certain new and useful intellectual property with a working title of:

**TITLE OF INTELLECTUAL PROPERTY**

**POLYMER-NANOCCLAY NANOCOMPOSITE-BASED SOLID SORBENTS FOR CARBON DIOXIDE CAPTURE**

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which may become the subject of a United States or foreign patent application or any other type of intellectual property protection.

AND WHEREAS WEST VIRGINIA UNIVERSITY, a state institution of higher education existing under the laws of the State of West Virginia (hereinafter called "Assignee"), is desirous of acquiring the entire worldwide right, title, and interest in, to and under said invention/creation and in, to and under Letters Patent or similar legal protection including any intellectual property protections to be obtained therefore in the United States, its territorial possessions, and in any and all foreign countries.

NOW, THEREFORE, in consideration of One (\$1.00) Dollar, the Intellectual Property Policy of West Virginia University and/or other good and valuable consideration paid to Assignor(s) by said Assignee, the receipt and sufficiency of all of which Assignor(s) hereby acknowledge(s), Assignor(s) do/does hereby assign, sell, transfer, and set over unto said Assignee, the entire right, title, interest in said intellectual property and improvements for the United States and its territorial possessions and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof including all priority rights under the International Convention associated therewith for each country and the Union,

said Assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and an and all divisions, reissues, continuations, continuations-in-part, substitutes, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by Assignor(s) had this assignment not been made.

The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. Assignor(s) covenant that Assignor(s) is/are the lawful owner(s) of the inventions and improvements disclosed in said invention, that the same are unencumbered, that no license has been granted to make, use, offer for sale, sell or import said inventions or improvements of any of them, and that Assignor(s) has/have the full right to make this assignment.

Assignor(s) hereby covenant(s) with said Assignee, its successors, assigns and legal representatives that I/we have made to others no assignment, grant, mortgage, license, sale or agreement affecting the rights and property conveyed and that we have the full right to convey the same as herein expressed.

And for the consideration aforesaid, Assignor(s) agree(s) jointly and individually that Assignor(s) will communicate to said Assignee or the representatives thereof any facts known to Assignor(s) respecting said inventions and improvements, and will, upon request, but without expense to Assignor(s), testify in any legal proceeding, sign all lawful papers, execute all divisional, reissue, continuation, continuations-in-part, substitutes, renewal, and/or all other patent applications, execute 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 Assignor(s) heirs, executors, administrators, successors, and/or assigns, and shall inure to the benefit of the heirs, executors, administrative successors and/or assigns, as the case may be, of said Assignee

DATE EXECUTED November 6, 2009

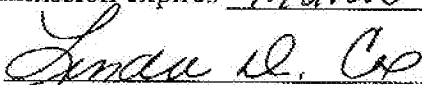
**Rakesh K. Gupta**  
INVENTOR/CREATOR 1 (printed name)

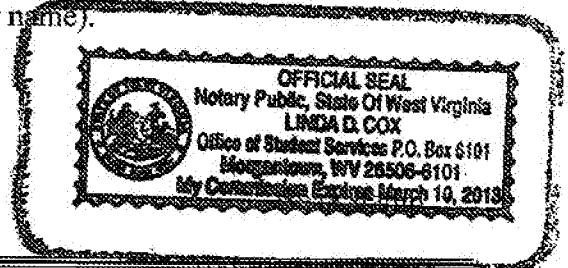
  
INVENTOR/CREATOR 1 (signature)

State of WV County of MORGAN

The forgoing instrument was acknowledged before me this June 24, 2011  
by Rakesh K. Gupta (inventor/creator name).

My commission expires March 10, 2013

  
Notary Public (signature)



DATE EXECUTED June 24, 2011

Sushant Agarwal  
INVENTOR/CREATOR 2 (printed name)

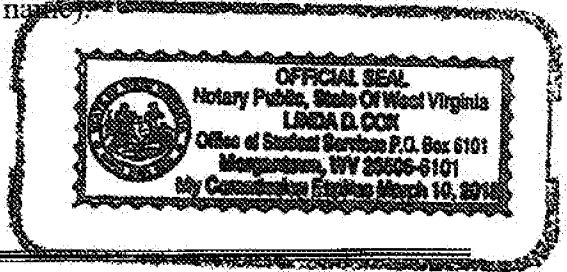
Sushant Agarwal  
INVENTOR/CREATOR 2 (signature)

State of WV County of Monongalia

The forgoing instrument was acknowledged before me this June 24, 2011  
by Sushant Agarwal (inventor/creator name).

My commission expires March 10, 2013

Linda D. Cox  
Notary Public (signature)



DATE EXECUTED June 24, 2011

Elliot A. Roth  
INVENTOR/CREATOR 3 (printed name)

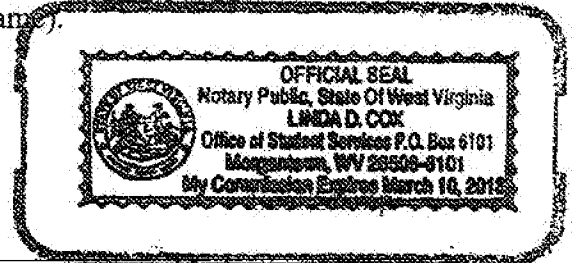
Elliot Roth  
INVENTOR/CREATOR 3 (signature)

State of WV County of Monongalia

The forgoing instrument was acknowledged before me this June 24, 2011  
by Elliot A. Roth (inventor/creator name).

My commission expires March 10, 2013

Linda D. Cox  
Notary Public (signature)



Seal/Stamp