

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>HEATHER REGINA BOWEN</td> <td>08/12/2013</td> </tr> <tr> <td>JIANHENG LI</td> <td>10/08/2013</td> </tr> <tr> <td>MARK LEONARD O'NEILL</td> <td>08/15/2013</td> </tr> <tr> <td>MANCHAO XIAO</td> <td>08/12/2013</td> </tr> <tr> <td>ANDREW DAVID JOHNSON</td> <td>10/09/2013</td> </tr> <tr> <td>XINJIAN LEI</td> <td>08/12/2013</td> </tr> </tbody> </table>		Name	Execution Date	HEATHER REGINA BOWEN	08/12/2013	JIANHENG LI	10/08/2013	MARK LEONARD O'NEILL	08/15/2013	MANCHAO XIAO	08/12/2013	ANDREW DAVID JOHNSON	10/09/2013	XINJIAN LEI	08/12/2013
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<table border="1"> <tr> <td>Name:</td> <td>Air Products and Chemicals, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>7201 Hamilton Blvd.</td> </tr> <tr> <td>Internal Address:</td> <td>Patent Dept.</td> </tr> <tr> <td>City:</td> <td>Allentown</td> </tr> <tr> <td>State/Country:</td> <td>PENNSYLVANIA</td> </tr> <tr> <td>Postal Code:</td> <td>18195-1501</td> </tr> </table>		Name:	Air Products and Chemicals, Inc.	Street Address:	7201 Hamilton Blvd.	Internal Address:	Patent Dept.	City:	Allentown	State/Country:	PENNSYLVANIA	Postal Code:	18195-1501		
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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>13949420</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13949420										
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Application Number:	13949420														
CORRESPONDENCE DATA															
Fax Number:	(610)481-7083														
Phone:	610-481-8761														
Email:	patentm@airproducts.com														
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>															
Correspondent Name:	ROBIN M. WESTON														
Address Line 1:	7201 HAMILTON BLVD.														
Address Line 2:	PATENT DEPT.														
Address Line 4:	ALLENTOWN, PENNSYLVANIA 18195-1501														
ATTORNEY DOCKET NUMBER:	07534ZP USA/CAS														
PATENT															

NAME OF SUBMITTER:	ROSALEEN P. MORRIS-OSKANIAN
Signature:	/Rosaleen P. Morris-Oskanian/
Date:	10/10/2013
Total Attachments: 2 source=07534ZPUSA-Assignment#page1.tif source=07534ZPUSA-Assignment#page2.tif	

ASSIGNMENT & DECLARATION

For value received, we, Heather Regina Bowen, Jianheng Li, Mark Leonard O'Neill, Manchao Xiao, Andrew David Johnson and Xinjian Lei, hereby sell, assign, and transfer to **AIR PRODUCTS AND CHEMICALS, INC.**, a corporation of the State of Delaware, having an office at 7201 Hamilton Boulevard, Allentown, PA 18195-1501, the entire right, title, and interest in and to the invention relating to

Non-Oxygen Containing Silicon-Based Films and Methods of Forming the Same

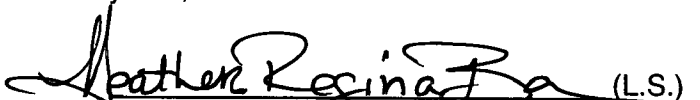
described in our application for Letters Patent of the United States (identified by Docket No. 07534ZP USA; and/or Appl. No. 13/949420; filed on July 24, 2013) executed of even date herewith, in and to all Letters Patent which may be issued upon said application, in and to any divisional or reissue applications based thereon, and in and to all Letters Patent upon said invention or improvements which may be granted in foreign countries. We hereby also assign and convey to said **AIR PRODUCTS AND CHEMICALS, INC.**, all the rights accruing to us by virtue of the International Convention for the Protection of Industrial Property (Art. 4), including the right to apply for and to have patents issued in its own name.

And we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and the Officials of the Patent Offices of all other countries to issue the Letters Patent of their respective countries to said **AIR PRODUCTS AND CHEMICALS, INC.**, as assignee of the entire right, title, and interest in and to the same.


And we hereby promise and agree to execute all papers and perform all acts necessary to secure to and vest in said **AIR PRODUCTS AND CHEMICALS, INC.**, its successors and assigns, the rights conveyed as herein set forth.

And we hereby authorize the above-mentioned Assignee or its legal representative to insert in the instrument the application serial number of aforesaid application or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office.

And we hereby declare that the above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

 (L.S.)
Heather Regina Bowen

Aug. 12, 2013
Date

 (L.S.)
Jianheng Li

Oct. 8, 2013
Date

 (L.S.)
Mark Leonard O'Neill

Aug. 15, 2013
Date

 (L.S.)
Manchao Xiao

Aug. 12, 2013
Date

Andrew David Johnson (L.S.)
Andrew David Johnson
October 9, 2013
Date

Xinjian Lei (L.S.)
Xinjian Lei
Aug 12, 2013
Date