

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>Kuo-Kuang Hsu</td> <td>04/02/2012</td> </tr> <tr> <td>Jonathan James Berg</td> <td>03/30/2012</td> </tr> <tr> <td>Jianguo Xu</td> <td>04/02/2012</td> </tr> <tr> <td>Edward Landis Weist Jr.</td> <td>04/02/2012</td> </tr> </tbody> </table>		Name	Execution Date	Kuo-Kuang Hsu	04/02/2012	Jonathan James Berg	03/30/2012	Jianguo Xu	04/02/2012	Edward Landis Weist Jr.	04/02/2012		
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RECEIVING PARTY DATA													
<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													
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Application Number:	13438560												
CORRESPONDENCE DATA													
Fax Number:	(610)481-7083												
Phone:	610-481-8761												
Email:	borstra@airproducts.com												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
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Address Line 2:	Patent Dept.												
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ATTORNEY DOCKET NUMBER:	07567 USA												
NAME OF SUBMITTER:	Bryan C. Hoke, Jr.												
Total Attachments: 1 source=07567-usa-04-03-12-assignment#page1.tif													

CH \$40.00 13438560

PATENT

ASSIGNMENT

For value received, we, Kuo-Kuang Hsu, Jonathan James Berg, Jianguo Xu and Edward Landis Weist, 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

ADSORPTION PROCESS

described in our application for Letters Patent of the United States (identified by Docket No. 07567 USA) 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.

Kuo-Kuang Hsu (L.S.)
Kuo-Kuang Hsu

April 2, 2012
Date

Jonathan James Berg (L.S.)
Jonathan James Berg

30 March 2012
Date

Jianguo Xu (L.S.)
Jianguo Xu

April 02, 2012
Date

Edward Landis Weist, Jr. (L.S.)
Edward Landis Weist, Jr.

April 2, 2012
Date