

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Moo-Sung Kim</td> <td>04/02/2009</td> </tr> <tr> <td>Xinjian Lei</td> <td>04/03/2009</td> </tr> <tr> <td>Daniel P. Spence</td> <td>04/03/2009</td> </tr> <tr> <td>Sang-Hyun Yang</td> <td>04/02/2009</td> </tr> </tbody> </table>		Name	Execution Date	Moo-Sung Kim	04/02/2009	Xinjian Lei	04/03/2009	Daniel P. Spence	04/03/2009	Sang-Hyun Yang	04/02/2009
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Moo-Sung Kim	04/02/2009										
Xinjian Lei	04/03/2009										
Daniel P. Spence	04/03/2009										
Sang-Hyun Yang	04/02/2009										
RECEIVING PARTY DATA											
Name:	Air Products and Chemicals, Inc.										
Street Address:	7201 Hamilton Blvd.										
City:	Allentown										
State/Country:	PENNSYLVANIA										
Postal Code:	181951501										
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>12410529</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12410529						
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Application Number:	12410529										
CORRESPONDENCE DATA											
Fax Number:	(610)481-7083										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	6104818761										
Email:	patentm@airproducts.com										
Correspondent Name:	AIR PRODUCTS AND CHEMICALS, INC. PATENT										
Address Line 1:	7201 HAMILTON BOULEVARD										
Address Line 4:	ALLENTOWN, PENNSYLVANIA 181951501										
ATTORNEY DOCKET NUMBER:	07204ZP USA										
NAME OF SUBMITTER:	Geoffrey L. Chase										
Total Attachments: 1 source=07204ZP-Assignment#page1.tif											

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REEL: 022553 FRAME: 0599

PATENT

ASSIGNMENT


For value received, we, Moo-Sung Kim, Xinjian Lei, Daniel P. Spence, and Sang-Hyun Yang, 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

Preparation of Metal Oxide Thin Film Via Cyclic CVD or ALD

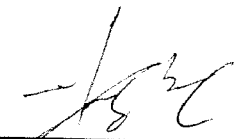
described in our application for Letters Patent of the United States (identified by Docket No. 07204ZP USA) executed of even date herewith, in and to all Letters Patent which may be issued upon said application, in and to any divisional or reissue applications based thereon, and in and to all Letters 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.


_____(L.S.)
Moo-Sung Kim

April 2, 2009
Date


_____(L.S.)
Sang-Hyun Yang

April 2, 2009
Date

_____(L.S.)

Xinjian Lei Date 04/03/09


_____(L.S.)
Daniel P. Spence

April 3, 2009
Date