

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>John Anthony Thomas Norman</td> <td>05/08/2012</td> </tr> <tr> <td>Xinjian Lei</td> <td>05/08/2012</td> </tr> </tbody> </table>		Name	Execution Date	John Anthony Thomas Norman	05/08/2012	Xinjian Lei	05/08/2012						
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John Anthony Thomas Norman	05/08/2012												
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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:	13418747												
CORRESPONDENCE DATA													
<p>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></p> <p>Correspondent Name: Ruth Ann Borst Address Line 1: 7201 Hamilton Blvd. Address Line 2: Patent Dept. Address Line 4: Allentown, PENNSYLVANIA 18195-1501</p>													
ATTORNEY DOCKET NUMBER:	07452ZP2 USA												
NAME OF SUBMITTER:	Rosaleen P. Morris-Oskanian												
Total Attachments: 1 source=07452ZP2USA-Assignment#page1.tif													

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ASSIGNMENT

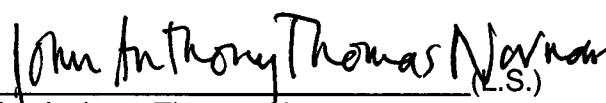
For value received, we, John Anthony Thomas Norman and Xinjian Lei, hereby sell, assign, and transfer to **AIR PRODUCTS AND CHEMICALS, INC.**, a corporation of the State of Delaware, having an office at 7201 Hamilton Boulevard, Allentown, PA 18195-1501, the entire right, title, and interest in and to the invention relating to

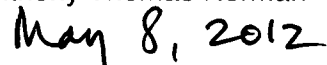
Metal-Enolate Precursors for Depositing Metal-Containing Films

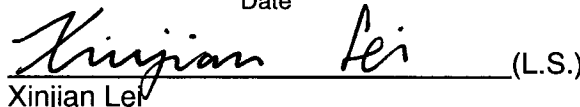
described in our application for Letters Patent of the United States (identified by Docket No. 07452ZP2 USA) executed of even date herewith, in and to all Letters Patent which may be issued upon said application, in and to any divisional or reissue applications based thereon, and in and to all Letters 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.

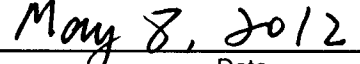
And we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and the Officials of the Patent Offices of all other countries to issue the Letters Patent of their respective countries to said **AIR PRODUCTS AND CHEMICALS, INC.**, as assignee of the entire right, title,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



John Anthony Thomas Norman (L.S.)


Date


Xinjian Lei (L.S.)


Date