

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Ali Esmaili</td> <td>06/14/2013</td> </tr> <tr> <td>Catherine Catino Latshaw</td> <td>06/05/2013</td> </tr> <tr> <td>Sharad Kumar</td> <td>06/05/2013</td> </tr> <tr> <td>Montgomery M. Alger</td> <td>06/12/2013</td> </tr> </tbody> </table>		Name	Execution Date	Ali Esmaili	06/14/2013	Catherine Catino Latshaw	06/05/2013	Sharad Kumar	06/05/2013	Montgomery M. Alger	06/12/2013
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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 Boulevard</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 Boulevard	City:	Allentown	State/Country:	PENNSYLVANIA	Postal Code:	18195-1501
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CORRESPONDENCE DATA											
<p>Fax Number: 2159635001  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2159635091        Email: cmatticks@morganlewis.com</p> <p>Correspondent Name: Alison B. Weisberg        Address Line 1: Morgan Lewis &amp; Bockius LLP        Address Line 2: 1701 Market Street        Address Line 4: Philadelphia, PENNSYLVANIA 19103</p>											
ATTORNEY DOCKET NUMBER:	005768-5002-US										
NAME OF SUBMITTER:	Alison B. Weisberg										
Signature:	/Alison B. Weisberg/										

PATENT

Date:

06/17/2013

**Total Attachments: 4**

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**ASSIGNMENT & DECLARATION**

For value received, we,

- |  |  |
|--|--|
| (1) ALI ESMAILI<br>whose address is<br>4751 Belmont Drive<br>Emmaus, PA 18049    | (2) CATHERINE CATINO LATSHAW<br>whose address is<br>1722 CREEK VIEW DRIVE<br>FOGELSVILLE, PA 18051 |
| (3) SHARAD KUMAR<br>whose address is<br>1862 EMERALD DRIVE<br>OREFIELD, PA 18069 | (4) MONTGOMERY M. ALGER<br>whose address is<br>1550 JAKES PLACE<br>HELLERTOWN, PA 18055            |

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:

**"Methods for Improved Production and Distribution"**

described in our application for Letters Patent of the United States (identified by Docket No. 07469 USA and/or U.S. Application No. ) 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.


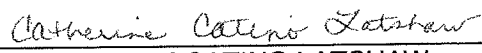
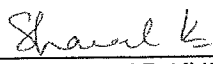
And we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and the Officials of the Patent Offices of all other countries to issue the Letters Patent of their respective countries to said **AIR PRODUCTS AND CHEMICALS, INC.**, as assignee of the entire right, title, 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/us. I/we believe I/we am/are the original inventor(s) or an original joint inventor of a claimed invention in the application. I/we 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.

Application No.

(a) Signature		<u>8/14/13</u>
(b) Name	ALI ESMALI	Date
(a) Signature		<u>6/5/13</u>
(b) Name	CATHERINE CATINO LATSHAW	Date
(a) Signature		<u>6/5/13</u>
(b) Name	SHARAD KUMAR	Date
(a) Signature		
(b) Name	MONTGOMERY M. ALGER	Date

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(b) Name	SHARAD KUMAR	Date

(a) Signature	_____	6/12/13
(b) Name	MONTGOMERY M. ALGER	Date