

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT								
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kenneth William Kovak</td> <td>09/05/2007</td> </tr> <tr> <td>Clive Chalk</td> <td>08/21/2007</td> </tr> <tr> <td>Stephen Graham Sawyer</td> <td>08/28/2007</td> </tr> </tbody> </table>		Name	Execution Date	Kenneth William Kovak	09/05/2007	Clive Chalk	08/21/2007	Stephen Graham Sawyer	08/28/2007
Name	Execution Date								
Kenneth William Kovak	09/05/2007								
Clive Chalk	08/21/2007								
Stephen Graham Sawyer	08/28/2007								
<b>RECEIVING PARTY DATA</b>									
<b>Name:</b>	Air Products and Chemicals, Inc.								
<b>Street Address:</b>	7201 Hamilton Blvd.								
<b>Internal Address:</b>	Patent Dept.								
<b>City:</b>	Allentown								
<b>State/Country:</b>	PENNSYLVANIA								
<b>Postal Code:</b>	18195-1501								
<b>PROPERTY NUMBERS Total: 1</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11842220</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11842220				
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Application Number:	11842220								
<b>CORRESPONDENCE DATA</b>									
<b>Fax Number:</b>	(610)481-7083								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
<b>Phone:</b>	610-481-8761								
<b>Email:</b>	borstra@airproducts.com								
<b>Correspondent Name:</b>	Ruth Ann Borst								
<b>Address Line 1:</b>	7201 Hamilton Blvd.								
<b>Address Line 2:</b>	Patent Dept. (Docket 07122 USA)								
<b>Address Line 4:</b>	Allentown, PENNSYLVANIA 18195-1501								
<b>ATTORNEY DOCKET NUMBER:</b>	07122 USA								
<b>NAME OF SUBMITTER:</b>	Willard Jones II								
Total Attachments: 1									

**CH \$40.00 11842220**

**500347850**

**PATENT  
 REEL: 019784 FRAME: 0540**



**ASSIGNMENT**

For value received, we, Kenneth William Kovak, Clive Chalk, and Stephen Graham Sawyer, 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

**LIQUID COLLECTOR AND REDISTRIBUTOR FOR PACKED COLUMNS**

described in our application for Letters Patent of the United States (identified by Docket No. 07122 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.

Kenneth William Kovak (L.S.)  
Kenneth William Kovak

5 September 2007  
Date

Clive Chalk (L.S.)  
Clive Chalk

21st AUGUST 2007.  
Date

S. Sawyer (L.S.)  
Stephen Graham Sawyer

28th AUGUST 2007  
Date