

Form PTO-1595 (Rev. 09/04)
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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

William Paul Schmidt/06/15/2005
Daniel Patrick Zwilling/06/15/2005
Andrew David Wright/07/05/2005
Mohammad Ali Kalbassi/06/28/2005
Christopher James Raiswell/07/05/2005

Execution Date(s) _____

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

2. Name and address of receiving party(ies)

Name: Air Products and Chemicals, Inc.

Internal Address: Patent Department

Street Address: 7201 Hamilton Boulevard

City: Allentown

State: PA

Country: USA Zip: 18195-1501

Additional name(s) & address(es) attached? Yes No

4. Application or patent number(s):

A. Patent Application No.(s)

11/101,789

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Ruth Ann Borst

Internal Address: Legal Assistant

Patent Dept-Dkt# 06644 USA

Street Address: 7201 Hamilton Boulevard

City: Allentown

State: PA Zip: 18195-1501

Phone Number: 610-481-8761

Fax Number: 610-481-7083

Email Address: borstra@airproducts.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

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9. Signature:

July 19, 2005
Date

Robert J. Wolff

Reg. No. 34,948

Total number of pages including cover sheet, attachments, and documents: 2

Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
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CH \$40.00 010493 11101789

Docket # 06644 USA

ASSIGNMENT

For value received, we, William Paul Schmidt, Daniel Patrick Zwillig, Andrew David Wright, Mohammad Ali Kalbassi, and Christopher James Raiswell, , 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

Improved Control Scheme For Hybrid PSA/TSA Systems

described in our application for Letters Patent of the United States (identified by Docket No. 06644 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.

William Paul Schmidt (L.S.)
William Paul Schmidt

15 JUNE 2005
Date

Daniel Patrick Zwillig (L.S.)
Daniel Patrick Zwillig

15 June 2005
Date

Andrew David Wright (L.S.)
Andrew David Wright

5 July 2005
Date

Mohammad Ali Kalbassi (L.S.)
Mohammad Ali Kalbassi

28 June 2005
Date

Christopher James Raiswell (L.S.)
Christopher James Raiswell

5 July 2005
Date