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John Anthony Thomas Norman
David Allen Roberts
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3.2503

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

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**ZIP **18195-1501**Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

- ☒
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Execution Date: **7 March 2003; 18 March 2003; 13 March****2003**

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

10/324,781

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: **Dianne K. Moser**
Legal AssistantInternal Address: **Patent Department (06322P USA)**Street Address: **7201 Hamilton Boulevard**City **Allentown** State **PA** ZIP **18195-1501**6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41)

\$ **40.00**

- ☐
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*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.***Rosaleen P. Morris-Oskanian, Reg. No. 47,321****20 March, 2003**

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Total number of pages comprising cover sheet: **1**

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DOCUMENT2

03/26/2003 LNUELLER 00000219 010493 10324781

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PATENT
REEL: 013880 FRAME: 0844

ASSIGNMENT

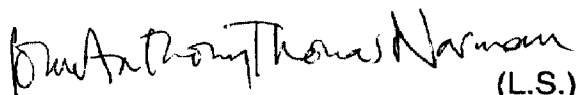
For value received, we, John Anthony Thomas Norman, David Allen Roberts, and Melanie Anne Boze, hereby sell, assign, and transfer to **AIR PRODUCTS AND CHEMICALS, INC.**, a corporation of the State of Delaware, having an office at 7201 Hamilton Boulevard, Allentown, PA 18195-1501, the entire right, title,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

PROCESS FOR ATOMIC LAYER DEPOSITION OF METAL FILMS

described in our application for Letters Patent of the United States (identified by Docket No. 06322P 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.)
 John Anthony Thomas Norman


03.07.03

Date


 _____ (L.S.)
 David Allen Roberts

3/18/03

Date


 _____ (L.S.)
 Melanie Anne Boze

3/13/03

Date