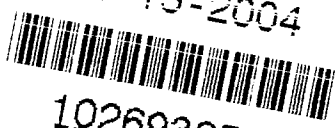


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1. Name of conveying party(ies): **Bing Ji Stephen Andrew Motika Ronald Martin Pearlstein Eugene Joseph Karwacki, Jr. Dingjun Wu** Additional name(s) of conveying party(ies) attached? Yes No

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: Assignment Merger Security Agreement Change of Name Other Execution Date: **12 January 2004; 12 January 2004; 22 January 2004; 12 January 2004; and 12 January 2004**

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: **12 January 2004; 12 January 2004; 22 January 2004; 12 January 2004; and 12 January 2004** A. Patent Application No.(s) **10/723,714** B. Patent No.(s) Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: **Ruth Ann Borst Legal Assistant** Internal Address: **Patent Department (06299P2 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** Enclosed Authorized to be charged to deposit account 8. Deposit account number: **01-0493**

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9. Statement of signature. *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** Signature **Rosaleen P. Morris-Oskanian** Date **9 March 2004** Name, Reg. No. of Person Signing Total number of pages comprising cover sheet: **1**

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ASSIGNMENT



For value received, we, Bing Ji, Stephen Andrew Motika, Ronald Martin Pearlstein, Eugene Joseph Karwacki, Jr., and Dingjun Wu, 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

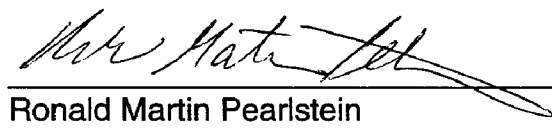
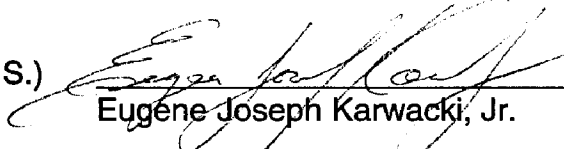
METHOD FOR ETCHING HIGH DIELECTRIC CONSTANT MATERIALS AND FOR CLEANING DEPOSITION CHAMBERS FOR HIGH DIELECTRIC CONSTANT MATERIALS

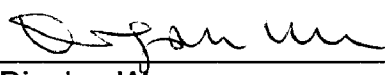
described in our application for Letters Patent of the United States (identified by Docket No. 06299P2 USA) executed of even date herewith, in and to all Letters Patent which may be issued upon said application, in and to any divisional or reissue applications based thereon, and in and to all Letters 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.

 _____ Bing Ji	(L.S.)	 _____ Stephen Andrew Motika	(L.S.)
<u>12 January, 2004</u> Date		<u>12 JANUARY 04</u> Date	

 _____ Ronald Martin Pearlstein	(L.S.)	 _____ Eugene Joseph Karwacki, Jr.	(L.S.)
<u>January 22, 2004</u> Date		<u>12 January 2004</u> Date	

 _____ Dingjun Wu	(L.S.)
<u>12 January 04</u> Date	