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Address of receiving party(ies):

1. Name of conveying party(ies):  
**William Jack Casteel, Jr.**  
**Sergei Vladimirovich Ivanov**  
Additional name(s) of conveying party(ies) attached?  Yes  No

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

S-1-03

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
Execution Date: **April 30, 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) **10427341** B. Patent No.(s) **April 30, 2003**

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: **Dianne K. Moser**  
**Legal Assistant**  
Internal Address: **Patent Department (06365 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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*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.*

**Mark L. Rodgers, Reg. No. 30,490**  
Name, Reg. No. of Person Signing

*Mark L. Rodgers*  
Signature

**5/1/03**  
Date

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

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05/08/2003 ECDOPER 00000168 010493 10427341

DOCUMENT 1

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**ASSIGNMENT**

For value received, we, William Jack Casteel, Jr., and Sergei Vladimirovich Ivanov, 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 THE FLUORINATION OF BORON HYDRIDES**

described in our application for Letters Patent of the United States (identified by Docket No. 06365USA) 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 Jack Casteel, Jr. (L.S.)  
William Jack Casteel, Jr.

April 30, 2003  
Date

Sergei Vladimirovich Ivanov (L.S.)  
Sergei Vladimirovich Ivanov

April 30, 2003  
Date

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Sergei Vladimirovich Ivanov (L.S.)  
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