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To the Assistant Commissioner for Patents

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checked original documents or copy thereof.
ess of receiving party(ies):

1. Name of conveying party(ies):
1) Stephen Dennis Janny
2) Brian Thomas Carvill
3) Timothy Wayne Womer

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

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: 1) 26 May 1999; 2) 26 May 1999; 3) 20 May 1999

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1-c490 U.S. PTO
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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) _____ B. Patent No.(s) _____

Additional numbers attached? Yes No

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

Name: **Gabriele C. Whittier**
Legal Assistant

Internal Address: **Patent Department (185PUSO5818)**

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.

Mary E. Bongiorno, Reg. No. 36,091 _____ *Mary E Bongiorno* _____ **05/26/99**
Name, Reg. No. of Person Signing Signature Date
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Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner for Patents
Box Assignments
Washington, D.C. 20231

ASSIGNMENT

For value received, we, Stephen Dennis Janny, Brian Thomas Carvill, and Timothy Wayne Womer, 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

Preparation of High Solids Poly(vinyl Alcohol)/Water Solutions in a Single Screw Extruder

described in our application for Letters Patent of the United States (identified by Docket No. 185PUS05818) 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.

Stephen Dennis Janny (L.S.)
Stephen Dennis Janny

MAY 26, 1999
Date

Brian Thomas Carvill (L.S.)
Brian Thomas Carvill

26 May 1999
Date

Timothy Wayne Womer (L.S.)
Timothy Wayne Womer

May 30, 1999
Date