

11/3/03

11-05-2003

FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4.94)



102593291

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): <b>Ashland Inc.</b> Additional name(s) on conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving Party(ies) Name: <b>Air Products and Chemicals, Inc.</b> Street Address: 7201 Hamilton Boulevard, Allentown, Pennsylvania 18195 U.S.A. Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: October 14, 2003 Effective Date: August 29, 2003			
4. Application number(s) or patent number(s): A. Patent Application No.(s): <u>10/443,867</u> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		B. Patent No.(s):	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Patricia Carothers DA 5 Internal Address: Ashland Inc. Law Department 5200 Blazer Parkway Dublin, OH 43017		6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41).....\$40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: (Attach duplicate copy of this page if paying by deposit account)	
DO NOT USE THIS SPACE			
9. Statement and 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. Patricia E. Carothers <u>Patricia E. Carothers</u> Name of Person Signing Signature Date October 30, 2003			
Total number of pages including cover sheet, attachments, and documents: 4 (including check and postcard)			

Mail documents to be recorded with required cover sheet information to:  
 Assistant Commissioner of Patents & Trademarks, Box Assignments

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PATENT  
 REEL: 014652 FRAME: 0570

# ASSIGNMENT

**FOR GOOD AND VALUABLE CONSIDERATIONS, Ashland Inc.**, a corporation organized under the laws of the state of Kentucky, having its principal place of business at 50 E. RiverCenter Boulevard, Covington, Kentucky 41012-0391, U.S.A. (hereinafter "ASSIGNOR") does hereby sell, assign and transfer unto **Air Products and Chemicals, Inc.**, a corporation organized under the laws of the state of Delaware, having its principal place of business at 7201 Hamilton Boulevard, Allentown, Pennsylvania 18195, U.S.A. ("Assignee"), its successors and assigns, the entire right, title and interest in and to the invention as described and claimed in the United States patent application listed below, together with all patents resulting therefrom, reissues, reexaminations and extensions thereof, and in and to all causes of action, claims and demands or other rights for or arising from any infringements, including past infringements, by any third party of said invention.

APPLICATION NO.	FILING DATE	TITLE
10/443,867	May 23, 2003	Hydroxylamine-Containing Formulations Used To Remove Post Etch Organic and Inorganic Residues As Well As Bulk Photoresist From Semiconductor Substrates

**AND ASSIGNOR HEREBY COVENANTS AND AGREES** with ASSIGNEE, its successors and assigns, that it will (a) upon request and at the expense of ASSIGNEE deliver testimony in any legal proceedings; (b) upon request of ASSIGNEE and at ASSIGNOR's expense execute all papers that may be reasonably necessary to perfect the title to said invention or any patent resulting therefrom, in ASSIGNEE, its successors, assigns, or other legal representatives; (c) upon the request and at the expense of ASSIGNEE make reasonable efforts to obtain from its employees and former employees the execution of documents relating to any continuations, continuations-in-part, divisionals, or any other additional applications of Letters Patent for said invention or any part or parts thereof, all of which applications and any patents resulting therefrom are hereby assigned to ASSIGNEE, its successors and assigns; and (d) make all rightful oaths, and do all lawful acts requisite for procuring the same therein, without further compensation, but at the expense of ASSIGNEE, its successors, assigns or other representatives.

**AND ASSIGNOR HEREBY AUTHORIZES AND REQUESTS** the Patent Officials to issue any and all Letters Patent resulting from any of the aforesaid applications to said ASSIGNEE.

**This Assignment is effective August 29, 2003.**

**ASHLAND INC.**

By: Thomas F. Davis  
Name: Thomas F. Davis  
Title: Assistant Secretary

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MC

State of Ohio ) ss.  
County of Franklin )

On this 14<sup>th</sup> day of October, 2003, Thomas F. Davis personally appeared and executed the foregoing instrument before me and acknowledged that he executed the same, of his own free will and for the purposes set forth with authority to do so.

Patricia E. Carothers  
Notary Public

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**RECORDED: 11/03/2003**

**PATENT**  
**REEL: 014652 FRAME: 0571**