

1-18-01

PATENTS ONLY

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

1. Name of conveying party(ies):
Scott M. WILLIAMS
Wei LIU
David MUI

EXECUTION DATE

1-4-2001
1-17-2001
1-4-2001


2. Name and address of receiving party(ies):
Name: Applied Materials, Inc.
Internal Address: Patent / Legal Department - M/S 2061
Street Address: P. O. Box 450A
City: Santa Clara State: CA Zip: 95052

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

Additional Name(s) & Address(es) attached? Yes No

3. Nature of conveyance;
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: See Above

02-12-2001


101611416

JC713 U.S. PTO
09/766187
01/18/01

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

09/766187

If this document is being filed together with a new application, the execution date of the application is: Herewith on 1/18/2001

A. Patent Application No.(s)

B. Patent No.(s)

Serial No.: {Serial No.} Filed: (Filing Date)

Additional Numbers attached? Yes No

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

Name: PATENT COUNSEL
Internal Address: Applied Materials, Inc.
Patent / Legal Department - M/S 2061
Street Address: P. O. Box 450A
City: Santa Clara State: CA Zip: 95052

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:
50-1074

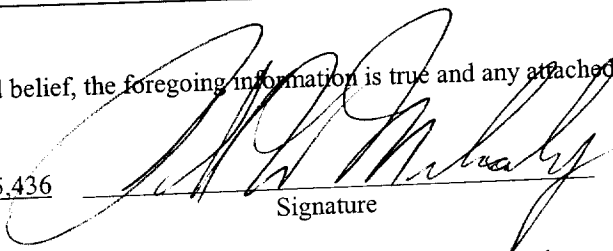
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To the best of my knowledge and belief, the foregoing information is true and any attached copy is a true copy of the original document.

Robert W. Mulcahy, Reg. No. 25,436
Name of Person Signing



Signature

1-18-01
Date

10. Total number of pages comprising cover sheet, attachments, and document: 3

Mail documents to be recorded with the required cover sheet information to:
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Washington, D.C. 20231

02/09/2001 GTOM11 00000244 501074 09766187
01 FC:581 40.00 CH

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	Scott M. WILLIAMS 107 S. Mary Avenue, #102 Sunnyvale, California 94087	2)	Wei LIU 936 Azure Street, Apt A12 Sunnyvale, California 94087
3)	David MUI 1848 Sheri Ann Circle San Jose, California 95131		

(hereinafter referred to as Assignors), have invented a certain invention entitled:

Nitride Open Etch Process Based on Trifluoromethane and Sulfur Hexafluoride

for which application for Letters Patent in the United States is filed herewith

under Serial No. {Serial No. not yet assigned}, executed on even date herewith; and

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as the Application), and the invention disclosed therein (hereinafter referred to as the Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as the Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1)	<u>1/4/2001</u>	<u>Scott M. Williams</u> Scott M. WILLIAMS
2)	<u>1/17/2001</u>	<u>Wei LIU</u> Wei LIU
3)	<u>1/4/2001</u>	<u>David MUI</u> David MUI