

11-02-2000

FORM PTO-1595  
(Modified)

1/2/00



U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable/Commissioner of Patents

and original documents or copy thereof

101499796

Name of receiving party(ies):

1. Name of conveying party(ies):

EXECUTION DATE

Name: Applied Materials, Inc.

Geoffrey RYDING..... 8/23/00  
Theodore H. SMICK..... 8/23/00  
Marvin FARLEY..... 8/29/00

Internal Address: Legal Affairs Department

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

Street Address: P.O. Box 450-A

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
Other \_\_\_\_\_

City: Santa Clara State: CA Zip: 95052

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

Execution Date: SEE ABOVE

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)

Serial No. 09/293,938 - Filing Date: 04/19/99

Additional Numbers attached?  Yes  No

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

Name: PATENT COUNSEL

Internal Address: Applied Materials, Inc.  
Legal Affairs Dept.

Street Address: P.O. Box 450-A

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

(Attach duplicate copy of this page if paying by deposit account)

11/03/2000 DNUYEN 00000115 501074 09293938

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Statement of Person Signature.

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

Date

9/6/00

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

OMB No. 0651-0011 (exp. 4/94)

Mail documents to be recorded with the required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

Case #3290/TCG/ORION

**ASSIGNMENT FOR APPLICATION FOR PATENT**

WHEREAS:

Names and Addresses  
of Inventors:

1)	Geoffrey Ryding 30 Masconomo Street Manchester, MA 01944	2)	Theodore H. Smick 31 Lufkin Pt. Rd. Essex, MA 01929
3)	Marvin Farley 16 Mill Road Ipswich, MA 01938		

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

**APPARATUS AND METHOD FOR REDUCING HETING OF A WORKPIECE IN ION IMPLANTATION**for which application for Letters Patent in the United States was filed on 19AP1999,  
under Serial No. 09/293,938 , 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 Application), and the invention disclosed therein (hereinafter referred to as 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 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;

