

02-24-2004

To the Honorable Commissioner of Patents

1. Name of conveying party(ies):

Peter G. Borden

EXECUTION DATE: FEBRUARY 13, 2004Additional name(s) of conveying Part(ies) attached? **No**

3. Nature of conveyance;

X Assignment

Merger

Security Agreement

Change of Name

Other _____

Execution Date: See Above

Name and address of receiving party(ies):

Name: Applied Materials, Inc.Internal Address: Legal Affairs Department - M/S 2061Street Address: 3050 Bowers Ave.City: Santa Clara State: CA Zip: 95054Additional Name(s) & Address(es) attached? **No**

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: FEBRUARY 13, 2004

A. Patent Application No.(s) Title: Matching Dose And Energy Of Multiple Ion Implanters

B. Patent No.(s)

Additional Numbers attached? **No**

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

Name: PATENT COUNSELInternal Address: Applied Materials, Inc.Legal Affairs Department - M/S 2061Street Address: P. O. Box 450ACity: Santa Clara State: CA Zip: 950526. Total number of applications and patent involved: 17. Total Fee (37 CFR 3.41) \$40.00

Enclosed



Charge Deposit Account for any additional fees required for this conveyance and credit deposit account any amounts overpaid, as shown below.

8. Deposit Account Number: 50-2263

(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 any attached copy is a true copy of the original document.

Omkar K. Suryadevara, Reg. No. 36,320

Name of Person Signing

S. Omkar

Signature

Feb 13, 2004

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:

Commissioner of Patents and Trademarks, Box Assignment

Washington, D.C. 20231

02/24/2004 MGBREM1 00000039 10779072

02/24/2004

40.00 OP

22387 U.S. PTO
10779072

021304

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	Peter G. Borden 118 Seville Way San Mateo CA 94403	2)	
----	---	----	--

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

Matching Dose And Energy Of Multiple Ion Implanters

for which application for Letters Patent in the United States is 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; (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) 13 Feb, 2004 Peter G. Borden
Peter G. Borden
- 2) _____, 2004 _____