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

1. Name of conveying party(ies):
   - Dennis W. WAGNER: 9/16/2004
   - Biagio GALLO: 9/10/2004
   - Peter T. KINDERSLEY: 6/20/2004

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

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

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

3. Nature of conveyance:
   - X Assignment
   - Γ Merger
   - Γ Security Agreement
   - Γ Change of Name
   - Other

   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)
      - Serial No. 10/897,424 - Filing Date: 7/23/2004
      - Additional Numbers attached? Y Yes x No

   B. Patent No.(s)

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
   Γ Enclosed
   x Authorized to be charged to deposit account

8. Deposit account number:
   50-1076
   (Attach duplicate copy of this page if paying by deposit account)

   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
   Date 09/14/05

10. Total number of pages comprising cover sheet, attachments, and document: 11

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

PATENT
REEL: 015644 FRAME: 0774
WHEREAS, I, JONATHON YANCEY SIMMONS
of 39 W. JULIAN 247, SAN JOSE, California 95110, United States of America
have invented certain new and useful improvements as described in an application
entitled METHOD OF DETERMINING DOSE UNIFORMITY OF A SCANNING
ION IMPLANTER

for Letters Patent of the United States, the application having been executed on
even date herewith and/or being identifiable in the United States Patent and
Trademark Office by Serial No. 10/897,424 filed 23 July, 2004 ; and

WHEREAS, APPLIED MATERIALS, INC.
a corporation organized and existing under the laws of Delaware, United States of
America and having offices at 3050 Bowers Avenue, Santa Clara, California
95054, United States of America

(is desirous of acquiring the entire right, title and interest in and to the
invention, the application, and any and all Letters Patent or similar legal protection,
foreign or domestic, to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy
of which is hereby acknowledged, I transfer to Assignee, its successors and assigns,
my entire right, title and interest in and to the invention, the above-identified
application, corresponding domestic and foreign applications, all Letters Patents or
similar legal protection issuing thereon, and all rights and benefits under any
applicable treaty or convention; and I authorize the Commissioner of Patents and
Trademarks of the United States or foreign equivalent thereof to issue the Letters
Patent of similar legal protection to the Assignee.
I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date and serial number of the application when ascertained.

I authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

I represent to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.

Date: November 29, 2004

Witness: Simon Binns
Signature: Simon Binns
Name: Simon Binns
Address: 928 Wilks Street
East Palo Alto
CA 94303

(Witness: Kimberly Merritt)
Signature: Kimberly Merritt
Name: Kimberly Merritt
Address: 1430 cherrydale Dr.
San Jose, CA 95125

(Jonathon Yancey Simmons)
WHEREAS, I, DENNIS W. WAGNER
of 822 Romani Court, San Jose, California 95125, United States of America
have invented certain new and useful improvements as described in an application
entitled METHOD OF DETERMINING DOSE UNIFORMITY OF A SCANNING
ION IMPLANTER

for Letters Patent of the United States, the application having been executed on
even date herewith and/or being identifiable in the United States Patent and
Trademark Office by Serial No. 10/897,424 filed 23 July, 2004 ; and

WHEREAS, APPLIED MATERIALS, INC.
a corporation organized and existing under the laws of Delaware, United States of
America and having offices at 3050 Bowers Avenue, Santa Clara, California
95054, United States of America

(“Assignee”) is desirous of acquiring the entire right, title and interest in and to the
invention, the application, and any and all Letters Patent or similar legal protection,
foreign or domestic, to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy
of which is hereby acknowledged, I transfer to Assignee, its successors and assigns,
my entire right, title and interest in and to the invention, the above-identified
application, corresponding domestic and foreign applications, all Letters Patents or
similar legal protection issuing thereon, and all rights and benefits under any
applicable treaty or convention; and I authorize the Commissioner of Patents and
Trademarks of the United States or foreign equivalent thereof to issue the Letters
Patent of similar legal protection to the Assignee.
I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date and serial number of the application when ascertained.

I authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

I represent to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.

(Dennis W. Wagner)

Date: 9/11/2004

Witness: Shirley Sambrauckas
Signature: [Signature]
Name: Shirley Sambrauckas
Address: 1052 Kipper Rd
Sunnyvale, CA 94086

Witness: Stephen R. Lindsey
Signature: [Signature]
Name: Stephen R. Lindsey
Address: 20530 Drusilla Rd
Pine Grove, CA 95666
WHEREAS, I, BIAGIO GALLO
of 530 Webster #11 Palo Alto, California, United States of America

have invented certain new and useful improvements as described in an application entitled METHOD OF DETERMINING DOSE UNIFORMITY OF A SCANNING ION IMPLANTER

for Letters Patent of the United States, the application having been executed on even date herewith and/or being identifiable in the United States Patent and Trademark Office by Serial No. 10/897,424 filed 23 July, 2004; and

WHEREAS, APPLIED MATERIALS, INC.
a corporation organized and existing under the laws of Delaware, United States of America and having offices at 3050 Bowers Avenue, Santa Clara, California 95054, United States of America

("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the application, and any and all Letters Patent or similar legal protection, foreign or domestic, to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title and interest in and to the invention, the above-identified application, corresponding domestic and foreign applications, all Letters Patents or similar legal protection issuing thereon, and all rights and benefits under any applicable treaty or convention; and I authorize the Commissioner of Patents and Trademarks of the United States or foreign equivalent thereof to issue the Letters Patent of similar legal protection to the Assignee.
I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date and serial number of the application when ascertained.

I authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

I represent to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.

[Signatures]

Date: 9/10/04

Witness: [Signature]  Witness: [Signature]

Name: [Name]  Name: [Name]

Address: 974 E Argues Address: 6372 Almaden Rd.
Sunnyvale, CA        San Jose, CA 95120
1
Attorney Docket No: 007340 USA/IMPLANT/CONDUCTIVE/JB1

ASSIGNMENT

WHEREAS, I, **DAVID EUGENE ABERLE**
of **200 Casper St. Milpitas, California 95035, United States of America**

have invented certain new and useful improvements as described in an application entitled **METHOD OF DETERMINING DOSE UNIFORMITY OF A SCANNING ION IMPLANTER**

for Letters Patent of the United States, the application having been executed on even date herewith and/or being identifiable in the United States Patent and Trademark Office by Serial No. **10/897,424** filed **23 July, 2004**; and

WHEREAS, **APPLIED MATERIALS, INC.**
a corporation organized and existing under the laws of **Delaware, United States of America** and having offices at **3050 Bowers Avenue, Santa Clara, California 95054, United States of America**

("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the application, and any and all Letters Patent or similar legal protection, foreign or domestic, to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title and interest in and to the invention, the above-identified application, corresponding domestic and foreign applications, all Letters Patents or similar legal protection issuing thereon, and all rights and benefits under any applicable treaty or convention; and I authorize the Commissioner of Patents and Trademarks of the United States or foreign equivalent thereof to issue the Letters Patent of similar legal protection to the Assignee.
2

Attorney Docket No: 007340 USA/IMPLANT/CONDUCTIVE/JB1

I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date and serial number of the application when ascertained.

I authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

I represent to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.

Date: 03/Sept/2004

(David Eugene Aberle)

Witness: 
Signature: 
Name: S. HAMER
Address: 10 South Ash
Stevens
Supe
WHEREAS, I, PETER TORIN KINDERSLEY
of Tower Cottage, Tower Hill, Horsham, West Sussex, RH13 7JT,
United Kingdom

have invented certain new and useful improvements as described in an application
entitled METHOD OF DETERMINING DOSE UNIFORMITY OF A SCANNING
ION IMPLANTER

for Letters Patent of the United States, the application having been executed on
even date herewith and/or being identifiable in the United States Patent and
Trademark Office by Serial No. 10/897,424 filed 23 July, 2004; and

WHEREAS, APPLIED MATERIALS, INC.
a corporation organized and existing under the laws of Delaware, United States of
America and having offices at 3050 Bowers Avenue, Santa Clara, California
95054, United States of America

("Assignee") is desirous of acquiring the entire right, title and interest in and to the
invention, the application, and any and all Letters Patent or similar legal protection,
foreign or domestic, to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy
of which is hereby acknowledged, I transfer to Assignee, its successors and assigns,
my entire right, title and interest in and to the invention, the above-identified
application, corresponding domestic and foreign applications, all Letters Patents or
similar legal protection issuing thereon, and all rights and benefits under any
applicable treaty or convention; and I authorize the Commissioner of Patents and
Trademarks of the United States or foreign equivalent thereof to issue the Letters
Patent of similar legal protection to the Assignee.
I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date and serial number of the application when ascertained.

I authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

I represent to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.

(Peter Torny Kindersley)

Date: 20th July 2004

Witness: Lynda Mcleod
Signature: Lynda Mcleod
Name: Lynda Mcleod
Address: HIU OATH
         FIELD, CRAUNY
         RH1 0RH

Witness: AJMM
Signature: AJMM
Name: Adrian Averill
Address: 3 LANDS FARM RD
         HORSHAM
         SUSSEX, RH12 9JS