

09-09-2003



RJ



IEET

To the Director **102544686**
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
[FAMILY NAME (ALL CAPS), Given Name]
MURRELL, Adrian
EDWARDS, Peter
HARRISON, Bernard

Additional name(s) of conveying party(ies) attached?
☐ YES ☒ NO

3. Nature of conveyance:
☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

Execution Date: **July 30, 2002; July 19, 2002 and July 22, 2002**

2. Name and address of receiving party(ies)
Name: **APPLIED MATERIALS, INC.**
Internal Address:
Street Address: **3050 Bowers Avenue**
City: **Santa Clara** State: **CA** ZIP: **95054**
Country: **USA** Postal Code: **95054-3299**
Additional name(s) & address(es) attached? ☐ YES ☒ 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:

A. Patent Application No(s).

10/119,290

B. Patent No.(s).

Additional numbers attached? ☐ YES ☒ NO

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: **BIRCH, STEWART, KOLASCH & BIRCH, LLP**
Street Address: **P.O. BOX 747**
City: **FALLS CHURCH** State: **VA** ZIP: **22040-0747**
Country: **USA**

6. Total No. of applications/patents involved: **one (1)**

7. Total fee (37 C.F.R. § 3.41): **\$40.00**

☒ Enclosed

☒ Authorized to be charged to deposit account,
if no fee attached.

8. Deposit account number: **02-2448**

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

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DO NOT USE THIS SPACE

9. Statement and signature.

Michael K. Mutter, #29,680
Name of Person Signing/Reg. No.

Signature

September 4, 2003
Date

Total number of pages including cover sheet, attachments, and document: **seven (7)**

MKM/lab

(Rev. 04/30/03)

PATENT
REEL: 014454 FRAME: 0963

ASSIGNMENT

WHEREAS, I, **ADRIAN MURRELL**

of **3 Lambs Farm Road, Horsham, West Sussex, RH12 4BS, United Kingdom**

have invented certain new and useful improvements as described in an application entitled

**MULTI-DIRECTIONAL SCANNING OF MOVABLE MEMBER
AND ION BEAM MONITORING ARRANGEMENT THEREFOR**

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. **10/119290** filed **10th April, 2002**; 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 95054-3299, 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.

Adrian Murrell
Adrian Murrell

Date: 30 JULY 02

Witness:

Signature Y Paloria

Name: Y PALORIA

Address: 24 SOUTHDOWN WAY
STORRINGTON
W. SUSSEX RH20 3NS

Witness:

Signature A.D. Batten

Name: A.D. BATTEN

Address: 34 KEMPSTOTT RD
HORSNASH
W. SX, RH12 2EY

ASSIGNMENT

WHEREAS, I, **PETER EDWARDS**

of **6 Foxwood, Kingsfold, West Sussex, United Kingdom**

have invented certain new and useful improvements as described in an application entitled

**MULTI-DIRECTIONAL SCANNING OF MOVABLE MEMBER
AND ION BEAM MONITORING ARRANGEMENT THEREFOR**

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. **10/119290** filed **10th April, 2002**; and

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("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 Edwards

Date: 19th July 2002

Witness:

Signature 

Name: PETER CRUNDWELL

Address: 19 FOXGLOVE AVE
HORSHAM
WEST SUSSEX

Witness:

Signature 

Name: PETER KONDRSLET

Address: TOWER COTTAGE
TOWER HILL,
HORSHAM, W. SUSSEX

ASSIGNMENT

WHEREAS, I, **BERNARD HARRISON**

of **16 Newlands Park, Copthorne, West Sussex, RH10 3EW, United Kingdom**

have invented certain new and useful improvements as described in an application entitled

**MULTI-DIRECTIONAL SCANNING OF MOVABLE MEMBER
AND ION BEAM MONITORING ARRANGEMENT THEREFOR**

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. **10/119290** filed **10th April, 2002**; and

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("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

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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.

Bernard Harrison
Bernard Harrison

Date: 22nd July 2002

Witness: A.D. BATTEN

Signature A.D. BATTEN

Name: APPLIED MATERIALS

Address: FOUNDRY LAKE
HORSHAM
RH13 5PX

Witness:

Signature Y. P. ALTRIA

Name: Y. P. ALTRIA

Address: 24 SOUTH DOWN WAY
STORRINGTON
W. SUSSEX RH20 3NS