

10-05-2000

FORM PTO-1595  
(Modified)



U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Pa

101479753

Attached original documents or copy thereof

1. Name of conveying party(ies):

EXECUTION DATE

Robert MITCHELL.....	6/28/00
Ian JOYCE.....	6/27/00
James BIDDLE.....	6/29/00
James EDWARDS.....	6/27/00

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?  Yes  No

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

3. Nature of conveyance:

Assignment  Merger

Security Agreement  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. 09/552,696 - Filing Date: 04/19/00

Additional Numbers attached?  Yes  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

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)

10/02/2000 6TON11 00000126 501074 09552696 DO NOT USE THIS SPACE

9. Statement and signature.  
01 FC:501 40.00 CH

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

7/31/00

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

# ASSIGNMENT

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WHEREAS, I, **ROBERT JOHN CLIFFORD MITCHELL**

of **SOUTHWOOD, WEST CHILTINGTON ROAD, PULBOROUGH, WEST SUSSEX, RH20 2EE, UNITED KINGDOM**

have invented certain new and useful improvements as described in an application entitled **A METHOD OF DETECTING THE POSITION OF A WAFER**

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. **09/552,696** filed on **April 19, 2000**; 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.

R Mitchell

(Signature of Inventor)

Date: 28/6/2000

Witness:

Signature

[Signature]

Name:

Andrew Ruxton

Address:

Marey Lodge  
Forze Field Road  
East Grinstead  
W Sussex.

Witness:

Signature

[Signature]

Name:

MICHAEL MARRIOTT

Address:

62 QUEEN ST  
WORTHING.  
W. SUSSEX

# ASSIGNMENT

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WHEREAS, I, **IAN R. JOYCE**

of **40 GREBE CRESCENT, HORSHAM, WEST SUSSEX, RH13 6ED, UNITED KINGDOM**

have invented certain new and useful improvements as described in an application entitled **A METHOD OF DETECTING THE POSITION OF A WAFER**

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. **09/552,696** filed on **April 19, 2000**; 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.

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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.

I. J. J.

(Signature of Inventor)

Date: 27/6/2000

Witness:

Signature

[Signature]  
N. J. MANDER

Name:

Address:

47, HUCKLEST DRIVE  
ASTINGTON  
WEST SUSSEX

Witness:

Signature

[Signature]  
R. J. BOYLE

Name:

Address:

14 HORNHURST RD  
ROTHERFIELD  
E-SUSSEX TN63ND

# ASSIGNMENT

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WHEREAS, I, **JAMES BIDDLE**

of **BROWN SAILS, 26 SUMMERHILL CLOSE, HAYWARDS HEATH, WEST SUSSEX, RH16 1QZ, UNITED KINGDOM**

have invented certain new and useful improvements as described in an application entitled **A METHOD OF DETECTING THE POSITION OF A WAFER**

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. **09/552,696** filed on **April 19, 2000**; 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.

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J. Biddle  
(Signature of Inventor)

Date: 29 June 2000

Witness:

Signature Sally Boxer (SALLY BOXER)

Name: 21 Muster Green

Address: Haywards Heath

W. Sussex

RH16 4AL

Witness: JAMES ANDERSON

Signature [Signature]

Name: J. F. ANDERSON

Address: 36 Oval Way

FERRING

W. SUSSEX

# ASSIGNMENT

---

WHEREAS, I, **JAMES VICTOR EDWARDS**

of **60 CLAYTON ROAD, SELSEY, WEST SUSSEX, PO20 9DF, UNITED KINGDOM**

have invented certain new and useful improvements as described in an application entitled **A METHOD OF DETECTING THE POSITION OF A WAFER**

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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.



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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.

J. J. Edwards  
(Signature of Inventor)

Date: 27/6/2000

Witness: [Signature]  
Signature: [Signature]  
Name: N. J. MANDER  
Address: 47, HILCREST DRIVE  
ASTINGTON  
WEST SUSSEX

Witness: [Signature]  
Signature: [Signature]  
Name: R. J. BOYLE  
Address: 14 HORNSHURST Rd  
ROTHERFIELD  
E-SUSSEX TN6 3ND