

09-05-2003

Form PTO-1595 (Rev. 10/02)

8-21-03

RE

U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 6/30/2005)



Tab settings

102542159

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

1. Name of conveying party(ies):

- 1. Michael Barnes 8-13-03
- 2. John Holland 7-31-03
- 3. Hongqing Shan 8-06-03
- 4. Bryan Y. Pu 7-30-03
- 5. Mohit Jain 8-01-03
- 6. Zhifeng Sui 7-29-03
- 7. Michael D. Armacost 8-14-03
- 8. Neil E. Hanson 7-29-03
- 9. Diana Xiaobing Ma 7-30-03
- 10. Ashok K. Sinha 8-07-03
- 11. Dan Maydan 8-19-03

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

2. Name and address of receiving party(ies)

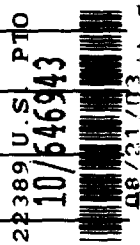
Name: Applied Materials, Inc.

Internal Address:

Street Address: 3050 Bowers Avenue

City: Santa Clara State: CA Zip: 95054

Additional name(s) & address(es) 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: 8-21-03

A. Patent Application No.(s)

10/646943

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Applied Materials, Inc.

Internal Address: Patent Department, M/S 2061

Street Address: P.O. Box 450A

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)

09/04/2003 LUELLER 00000142 501074 10646943

01 FC: 021 40.00 BA

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Robert W. Mulcahy, Reg. No. 25,436

Name of Person Signing

Signature

8/21/03 Date

Total number of pages including cover sheet, attachments, and documents: 9

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

- | | |
|---|---|
| 1) Michael Barnes
12215 Santa Teresa Drive
San Ramon, CA 94583
U.S.A. | 2) John Holland
1565 Calaveras Avenue
San Jose, CA 95126
U.S.A. |
| 3) Hongqing Shan
1369 South Stelling Road
Cupertino, California 95014
U.S.A. | 4) Bryan Y. Pu
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U.S.A. |
| 9) Diana Xiaobing Ma
19600 Kilt Court
Saratoga, CA 95070
U.S.A. | 10) Ashok K. Sinha
4176 Hubbart Drive
Palo Alto, CA 94306
U.S.A. |
| 11) Dan Maydan
12000 Murietta Lane
Los Altos Hills, CA 94022
U.S.A. | |

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

*"MONITORING DIMENSIONS OF FEATURES AT DIFFERENT LOCATIONS IN THE
PROCESSING OF SUBSTRATES"*

which is attached hereto

for which application for Letters Patent in the United States was filed on _____, under Serial No. _____, 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.

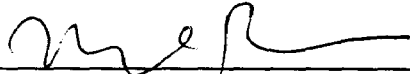
2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title, and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt 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.

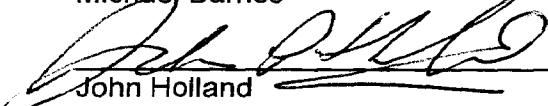
4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1) 8/13/03
Date

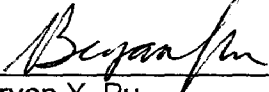
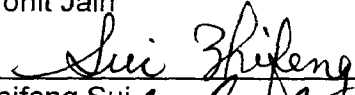
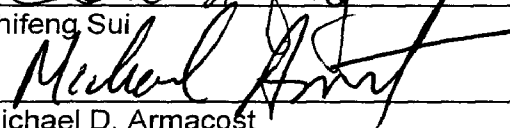
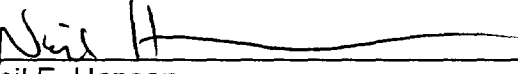
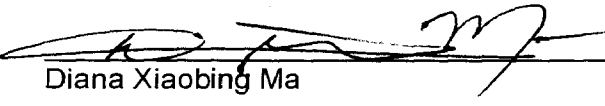
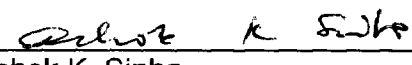
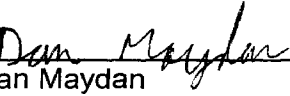

Michael Barnes

2) 7/31/03
Date


John Holland

3) _____
Date

Hongqing Shan

- 4) 7/30/03
Date 
Bryan Y. Pu
- 5) _____
Date _____
Mohit Jain
- 6) 7/29/03
Date 
Zhifeng Sui
- 7) 8/14/03
Date 
Michael D. Armacost
- 8) 7/29/03
Date 
Neil E. Hanson
- 9) 7/30/03
Date 
Diana Xiaobing Ma
- 10) 8/7/03
Date 
Ashok K. Sinha
- 11) 8/19/03
Date 
Dan Maydan

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- | | |
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San Jose, CA 95126
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| 3) Hongqing Shan
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U.S.A. | 4) Bryan Y. Pu
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U.S.A. |
| 11) Dan Maydan
12000 Murietta Lane
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U.S.A. | |

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

*"MONITORING DIMENSIONS OF FEATURES AT DIFFERENT LOCATIONS IN THE
PROCESSING OF SUBSTRATES"*

which is attached hereto

for which application for Letters Patent in the United States was filed on
_____, under Serial No. _____, 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:

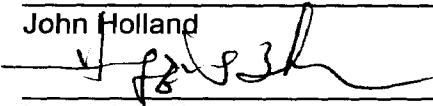
1. Said Assignors hereby sell, assign, transfer, and convey to Assignee the full and exclusive right, title, and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention 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.

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IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1)	_____	_____
	Date	Michael Barnes
2)	_____	_____
	Date	John Holland
3)	8/6/03	
	Date	Hongqing Shan

- | | | |
|-----|-------|---------------------|
| 4) | _____ | _____ |
| | Date | Bryan Y. Pu |
| 5) | _____ | _____ |
| | Date | Mohit Jain |
| 6) | _____ | _____ |
| | Date | Zhifeng Sui |
| 7) | _____ | _____ |
| | Date | Michael D. Armacost |
| 8) | _____ | _____ |
| | Date | Neil E. Hanson |
| 9) | _____ | _____ |
| | Date | Diana Xiaobing Ma |
| 10) | _____ | _____ |
| | Date | Ashok K. Sinha |
| 11) | _____ | _____ |
| | Date | Dan Maydan |

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- | | |
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1)	_____	_____
	Date	Michael Barnes
2)	_____	_____
	Date	John Holland
3)	_____	_____
	Date	Hongqing Shan

4)	_____ Date	_____ Bryan Y. Pu
5)	08/01/03 _____ Date	Mohit Kumar Jain _____ Mohit Jain
6)	_____ Date	_____ Zhifeng Sui
7)	_____ Date	_____ Michael D. Armacost
8)	_____ Date	_____ Neil E. Hanson
9)	_____ Date	_____ Diana Xiaobing Ma
10)	_____ Date	_____ Ashok K. Sinha
11)	_____ Date	_____ Dan Maydan