

U/P 12.12.00

FORM PTO-1595
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)

01-11-2001

U.S. Department of Commerce
Patent And Trademark Office



101580295

To the Honorable Commissioner of Patents and Trademarks

or copy thereof.

1. Name of conveying party(ies):

	Date
You Wang	8-24-2000
Arnold V Kholodenko	8-25-2000
Shamouil Shamouilian	8-25-2000
Alexander Veytser	8-25-2000
Wing L Cheng	8-24-2000

Name of receiving party(ies):

Name: APPLIED MATERIALS, INC
 Internal Address: PATENT COUNSEL, M/S 2061
 Street Address: P.O. Box 450-A
 City: Santa Clara State: CA Zip: 95052

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

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 registration number(s):

If this document is being filed together with a new application, the execution date of the application is: 09/641,536 Filed 18AU2000

A. Patent Application No.(s)

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 COUNSEL, M/S 2061
 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 C.F.R. 3.41)----- \$ 40.00
 Enclosed

Authorized to be charged to deposit account
50-1074

8. Deposit account number:
50-1074

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.

Peter J. Sgarbossa, Registration No. 25,610

Name of Person Signing

Signature

Total number of pages including cover sheet, attachments and document: 7

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

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

- | | |
|--|--|
| 1) You Wang,
a citizen of the People's Republic of China,
10330 North Foothill Boulevard, #A25
Cupertino, California 95014; | 4) Alexander M. Veytser,
a citizen of the United States of America,
1429 Lloyd Way
Mountain View, California 94040; and |
| 2) Arnold Kholodenko,
a citizen of the United States of America,
1747 Eucalyptus Drive
San Francisco, California 94132; | 5) Wing L. Cheng,
a citizen of the United States of America,
1665 Lachine Drive
Sunnyvale, California 94087. |
| 3) Shamouil Shamouilian,
a citizen of the United States of America,
6536 Little Falls Drive
San Jose, California 95120; | |

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

"SUBSTRATE SUPPORT TOLERANT TO THERMAL EXPANSION STRESSES"

for which application for Letters Patent in the United States was filed on 8/18/2000, under Serial No. 09/641,536, 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.

S:\CLIENT\APPLIED\CORECOMMON\3530\ASSIGN.001

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.

S:\CLIENT\APPLIED\CORECOMMON\3530\ASSIGN.001

1) Aug. 24, 2000

Wang
You Wang

2) 8/25/00

Arnold Kholodenko
Arnold Kholodenko

3) 8/25/00

Shamouil Shamouilian
Shamouil Shamouilian

4) _____

Alexander M. Veytser

5) Aug. 24, 2000

Wing L. Cheng
Wing L. Cheng

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

- | | |
|--|--|
| <p>1) You Wang,
a citizen of the People's Republic of China,
10330 North Foothill Boulevard, #A25
Cupertino, California 95014;</p> | <p>4) Alexander M. Veytser,
a citizen of the United States of America,
1429 Lloyd Way
Mountain View, California 94040; and</p> |
| <p>2) Arnold Kholodenko,
a citizen of the United States of America,
1747 Eucalyptus Drive
San Francisco, California 94132;</p> | <p>5) Wing L. Cheng,
a citizen of the United States of America,
1665 Lachine Drive
Sunnyvale, California 94087.</p> |
| <p>3) Shamouil Shamouilian,
a citizen of the United States of America,
6536 Little Falls Drive
San Jose, California 95120;</p> | |

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

"SUBSTRATE SUPPORT TOLERANT TO THERMAL EXPANSION STRESSES"

for which application for Letters Patent in the United States was filed on 8/18/2000, under Serial No. 09/641,536, 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.

S:\CLIENT\APPLIED\CORECOMMON\3530\ASSIGN.001

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.

S:\CLIENT\APPLIED\CORECOMMON\3530\ASSIGN.001

1)

You Wang

2)

Arnold Kholodenko

3)

Shamouil Shamouilian

4)

8/25/2000



Alexander M. Veytser

5)

Wing L. Cheng

S:\CLIENT\APPLIED\CORECOMMON\3530\ASSIGN.001