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01-27-2005

ATTY. DKT. NO. 4100D1/CMP/CMP/RKK

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

U.S. Department of Commerce
Patent And Trademark Office



102927698

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

113013 U.S. PTO
11/031545



1. Name of conveying party(ies):

	Date
Yongqi Hu	June 5, 2003
Yan Wang	June 5, 2003
Alain Duboust	June 5, 2003
Feng Q. Liu	June 5, 2003
Antoine P. Manens	June 5, 2003
Siew S. Neo	June 5, 2003
Stan D. Tsai	June 5, 2003
Liang-Yuh Chen	June 5, 2003
Paul D. Butterfield	June 5, 2003
Yuan A. Tian	June 5, 2003
Sen-Hou Ko	June 5, 2003

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

2. Name and address of receiving party(ies):

Name: APPLIED MATERIALS, INC.

Internal Address: Patent Counsel

Street Address: P.O. Box 450-A

City: Santa Clara State: CA Zip: 95052

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

Assignment Merger

Security Agreement Change of Name

Other _____

Execution Date: See Above and the Attached

4. Application number(s) or registration number(s): «SerialNo»

If this document is being filed together with a new application, the execution date of the application is: January 8, 2005 (Date of Filing)

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

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

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.

ROBERT W. MULCAHY
Name of Person Signing
Reg. No. 25,436

Signature

January 8, 2005
Date

Total number of pages including cover sheet, attachments and document: 5

01/26/2005 DDYRNC 00000232 501074 11031545

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Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents,
P.O. BOX 1450
Alexandria, VA 22313-1450

316185

PATENT
REEL: 016170 FRAME: 0488

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

- | | |
|---|---|
| 1) Yongqi Hu
600 Marathon Drive #9
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| 3) Alain Duboust
668 Bryan Avenue
Sunnyvale, CA 94086 | 9) Paul D. Butterfield
1684 Kevin Drive
San Jose, CA 95124-6313 |
| 4) Feng Q. Liu
4729 Lago Vista Circle
San Jose, CA 95129 | 10) Yuan A. Tian
1486 Parkmont Drive
San Jose, CA 95131 |
| 5) Antoine P. Manens
530 Kendall Avenue No. 7
Palo Alto, CA 94306 | 11) Sen-Hou Ko
1013 Wright Court
Sunnyvale, CA 94085 |
| 6) Siew S. Neo
1556 Halford Avenue
Suite 292
Santa Clara, CA 95051 | |

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

**CONDUCTIVE POLISHING ARTICLE FOR
ELECTROCHEMICAL MECHANICAL POLISHING**

for which application for Letters Patent in the United States was 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.

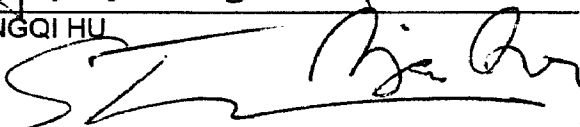
IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1) 6/6/03, 2003




YONGQI HU

2) 6/5/03, 2003



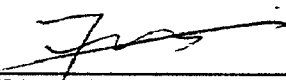
YAN WANG

3) 6/5/03, 2003




ALAIN DUBOUST

4) 6/5/03, 2003




FENG Q. LIU

5) 6/5/03, 2003




ANTOINE P. MANENS

6) June 5, 2003



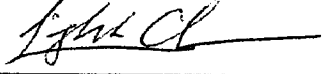
SIEW S. NEO

7) 6/5/03, 2003



STAN D. TSAI

8) 6/5, 2003



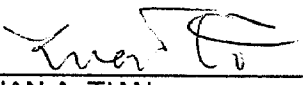
LIANG-YUH CHEN

9) 6/5/, 2003



PAUL D. BUTTERFIELD

10) 6/5/03, 2003



YUAN A. TIAN

11) 6/5/03, 2003



SENHOU KO