

Form PTO-1586 (Rev. 09/04)
OMB No. 0651-0027 (exp. 9/30/2005)U.S. Department of COMMERCE
United States Patent and Trademark Office**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director of the U.S. Patents and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):PAUL D. BUTTERFIELD
LIANG-YUH CHEN
YONGQI HU
ANTOINE P. MANENSDecember 4, 2003
December 4, 2003
December 4, 2003
December 4, 2003Additional name of conveying party(ies) attached? ☒ Yes ☐ No**2. Name and address of receiving party(ies)**Name: APPLIED MATERIALS, INC.Internal Address: Patent CounselStreet Address: P.O. Box 450-ACity: Santa ClaraState: CACountry: USA Zip: 95052Additional Name(s) & address(es) attached? ☐ Yes ☒ No**3. Nature of conveyance:**

Execution Date(s) _____

- ☒ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ Government Interest Assignment
- ☐ Executive Order 9424, Confirmatory License
- ☐ Other

4. Application number(s) or patent number(s):

A. Patent Application No.(s)

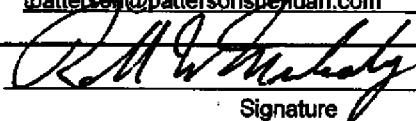
11/868,829; Filed October 8, 2007

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No**5. Name and address of party to whom correspondence concerning this document should be mailed:**Name: Patterson & Sheridan, L.L.P.Internal Address: Applied Materials, Inc.Street Address: 3040 Post Oak Boulevard, Suite 1500City: HoustonState: TX Zip: 77056Phone Number: 713-623-4844Fax Number: 713-623-4846Email Address: tpatterson@pattersonsheridan.com**6. Total number of applications and patents involved: 1****7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- ☐ Authorized to be charged by credit card
- ☒ Authorized to be charged to deposit account
- ☐ Enclosed
- ☐ None required (government interest not affecting title)

8. Payment Informationa. Credit Card Last 4 Numbers _____
Expiration Date _____b. Deposit Account Number
50-1074/004100.C10/CMP/CMP/CKIMAuthorized User Name Robert W. Mulcahy**9. Signature:**

Signature

November 6, 2007

Date

Robert W. Mulcahy; Reg No. 25.436

Name of Person Signing

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

5

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RECORDATION FORM COVER SHEET

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RASHID MAVLIEV
STAN D. TSAI
FENG Q. LIU
RALPH WADENSWEILER
LIZHONG SUN
SIEW S. NEO
ALAIN DUBOUST

December 3, 2003
December 3, 2003
December 3, 2003
December 3, 2003
December 4, 2003
December 4, 2003
December 4, 2003

Atty. Docket No.: 4100P8/CMP/CMP/RKK

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

1)	PAUL D. BUTTERFIELD 1684 Kevin Drive San Jose, CA 95124-6313	2)	LIANG-YUH CHEN 1400 Melbourne Street Foster City, CA 94404
3)	YONQI HU 600 Marathon Drive #9 Campbell, CA 95008 <i>1823 Parkview Green San Jose, CA 95131</i>	4)	ANTOINE P. MANENS 530 Kendall Avenue No. 7 Palo Alto, CA 94306
5)	RASHID MAVLIEV 444 Saratoga Avenue #169 Santa Clara, CA 95050	6)	STAN D. TSAI 5444 Dekker Terrace Fremont, CA 94555
7)	FENG Q. LIU 4729 Lago Vista Circle San Jose, CA 95129	8)	RALPH WADENSWELER 1640 Kalispell Court Sunnyvale, CA 94087
9)	LIZHONG SUN <i>952 Windsor Hills Cir. San Jose, CA 95123</i> 675 East Remington Drive #22C Sunnyvale, CA 94087		SIEW S. NEO 1556 Halford Avenue Suite 292 Santa Clara, CA 95051
11)	ALAIN DUBOUST 668 Bryan Avenue Sunnyvale, CA 94086		

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

CONDUCTIVE POLISHING ARTICLE FOR ELECTROCHEMICAL MECHANICAL
POLISHINGfor which application for Letters Patent in the United States was filed on August 15, 2003,
under Serial No. 10/642,128, 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.

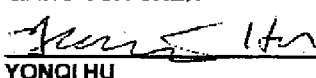
1) Dec 4 2003 (DATE)



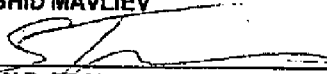
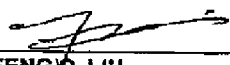
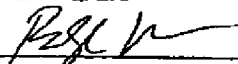
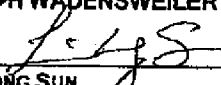

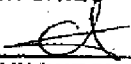

PAUL D. BUTTERFIELD

2) 12/4/2003 (DATE)


LIANG-YUH CHEN

3) 12/24/2003 (DATE)


YONQI HU

4)	<u>12/4/03</u>	(DATE)	 ANTOINE P. MANENS
5)	<u>12/3/03</u>	(DATE)	 RASHID MAVLIEV
6)	<u>Dec 3/03</u>	(DATE)	 STAN D. TSAI
7)	<u>Dec 3/03</u>	(DATE)	 FENG Q. LIU
8)	<u>12/3/03</u>	(DATE)	 RALPH WADENSWEILER
9)	<u>12/04/03</u>	(DATE)	 LIZHONG SUN
10)	<u>12/4/03</u>	(DATE)	 SIEW S. NEO
11)	<u>12/04/03</u>	(DATE)	 ALAIN DUBOUST