m Pro-1595 (Rev. 09/04)	U.S. Department of COMMERCE United States Patent and Tradement Office
B No. 0951-0027 (999, 6/30/2005) RECORDATION FOR	M COVER SHEET
PATENT	S ONLY
To the Director of the U.S. Patents and Trademark Office: Pleas	e record the attached documents or the new address(es) below.
	2. Name and address of receiving party(les)
. Name of conveying party(les): June 24, 2004 AUSHAL K. SINGH	
PAUL B. COMITA June 23, 2004	Name: APPLIED MATERIALS, INC.
ANCE A. SCUDDLIN January 29, 2004 January 29, 2004	Internal Address: Patent Counsel
•	
Additional name of conveying party(les) attached? 🔲 Yes 🗵 No	Street Address: P.O. Box 450-A
S. Nature of conveyance: Execution Date(s)	City: Santa Clara
X Assignment	City: Santa Clara
— Change of Name	State: CA
Qearly, greatest Assistance	Country: USA Zip: 95052
_	
☐ Executive Order 9424, Confirmatory License	Additional Name(s) & address(es) attached? ☐ Yes ☑ No
Other	
4. Application number(s) or patent number(s):	This document is being filed together with a new application.
A. Patent Application No.(s)	B. Patent No.(5)
11/549,033; Filed October 12, 2006	
Additional numbers at	ttached? Yes No
Name and address of party to whom correspondence concerning this document should be mailed:	6. Total number of applications and patents involved: 1
Name: Patterson & Sheridan, L.L.P.	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00
Internal Address: Applied Materials, inc.	Authorized to be charged by credit card
IIIIEI I Address.	Authorized to be charged to deposit account
A CONTRACTOR ASSESSMENT ASSESSMEN	☐ Enclosed
Street Address: 3040 Post Oak Bouleyard, Suite 1500	None required (government interest not affecting title)
City: Houston	6. Payment Information
State: <u>TX</u> Zip: <u>77056</u>	a. Credit Card Last 4 Numbers
Phone Number: 713-623-4844	Expiration Date
Fax Number: 713-623-4846	b. Deposit Account Number 50-1074/007729.C1/TCG/EPI/AG
Email Address: tpatterson@pattersonsheridan.com	Authorized User Name Robert W. Mujcahy
9. Signature: // WW Make	October 18, 2006
Signature	Date
Robert W. Mulcahy - Reg No. 25,	436 Total number of pages, sheet, attachments, 7
Name of Person Signing	and documents including cover

Documents to be recorded (including cover sheet) should be fixed to (703) 308-5996, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Atty. Dkt. No. APPM/7729/TCG/EPI/RKK

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	KAUSHAL K. SINGH 2118 San Rafael Avenue Santa Clara, CA 95051	2)	PAUL B. COMITA 350 Hermosa Way Menio Park, CA 94025
3)	LANCE A. SCUDDER 795 Orkney Avenue Santa Clara, CA 95054	4)	DAVID K. CARLSON 2308 Dundee Drive Santa Clara, CA 95051

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

SILICON-CONTAINING LAYER DEPOSITION WITH SILICON COMPOUNDS

enclosed herewith or for which application for Letters Patent in the United States was filed on October 17, 2003, under Serial No. 10/688,797, 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.
- 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

1 of 2

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)	4 24 04 (DATE)	KAUSHAL K. SINGH
2)	(DA TE)	PAUL B. COMITA
3)	(DA TE)	LANCE A. SCUDDER
4)	1/29/04 (DATE)	DAVID K. CARLSON

Atty. Dkt. No. APPM/7729/TCG/EPI/RKK

ASSIGNMENT FOR APPLICATION FOR PATENT

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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)	(DA TE)	
2)	Feb 6, 2004(DATE)	KAUSHALK SINGH PAUL B. COMITA
3)	(DA TE)	LAVOE A COURSE
4)	(DA TE)	LANCE A. SCUDDER
		DAVID K. CARLSON

Atty. Dkt. No. APPM/7729/TCG/EPI/RKK

ASSIGNMENT FOR APPLICATION FOR PATENT

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Names and Addresses of Inventors:

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1 of 2

RECORDED: 10/18/2006

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1)	(DATE)	
		KAUSHAL K. SINGH
2)	(DATE)	
	· · · · · · · · · · · · · · · · · · ·	PAUL/B. COMIT/A
3)	6-23-04 (DATE)	Au Just
		LANCE A. SCUDDER
4)	(DATE)	
•		DAVID K. CARLSON