


12-14-2001

Attorney Docket No. A5907/T42300

FORM PTO-1595 (Rev. 6-93)		Sheet		U.S. Department of Commerce Patent and Trademark Office	
To the Honorable Asst. Commis.		101915871		and original documents or copy thereof	
1. Name of conveying party(ies): Tony S. Kaushal, Chuong Quang Dam and Yongqi Hu Additional name(s) of conveying parties attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No. <u>11-7-01</u>		2. Name and address of receiving party(ies) Name: Applied Materials, Inc. Internal Address: Legal Affairs Department Street Address: P.O. Box 450A City: Santa Clara State: CA ZIP: 95052 Additional names and addresses attached? <input type="checkbox"/> Yes <input type="checkbox"/> No			
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: <u>10-24-01, 10-24-01, 11-02-01</u>					
4. Application Number(s) or Patent Numbers. If this document is being filed together with a new application, the execution date of the application is: <u>11-7-01</u> A. Patent Application No(s): <u>10 005658</u> B. Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Patent Counsel APPLIED MATERIALS, INC. Legal Affairs Department P.O. Box 450A, M/S 2061 Santa Clara, California 95052		6. Total number of applications and patents involved: <u>1</u>		7. Total fee (37 CFR 3.41): -----\$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Charge Fees to Deposit Account <input type="checkbox"/> Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account.	
		8. Deposit account number: <u>50-1074</u>			
DO NOT USE THIS SPACE					
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true and correct copy of the original document.</i> <u>Robert W. Mulcahy</u> <u>[Signature]</u> <u>11/7/01</u> Name of Person Signing Signature Date Atty Reg. No. 25,436 Total number of pages including cover sheet, attachments and document: <u>7</u>					
10. Change Correspondence Address to that of Part 5? <input type="checkbox"/> Yes <input type="checkbox"/> No					
OMB No. 0651-0011 (exp. 4/94)					
Do not detach this portion					
Mail documents to be recorded with required cover to: Asst. Commissioner for Patents Box: Assignments Washington, D.C. 20231					

12/14/2001 AMWED1 00000040 501074 10005658
PA 3170020 v1
01 FC:581 40.00 CH

PATENT
REEL: 012357 FRAME: 0781

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

1)	Tony S. Kaushal 10416 Prune Tree Lane Cupertino, CA 95014 United States	2)	Chuong Quang Dam 1222 Polk Spring Court San Jose, CA 95120 United States
3)	Yongqi Hu 44 Saratoga Ave. #32K Santa Clara, CA 95050 United States		

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

CHEMICAL MECHANICAL POLISHING ENDPOINT DETECTION

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

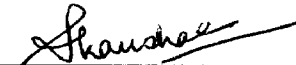
2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt 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)	<u>10/24/01</u>	, 2001	<u></u> Tony S. Kaushal
2)	_____	, 2001	_____ Chuong Quang Dam
3)	_____	, 2001	_____ Yongqi Hu

PA 3170017 v1

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

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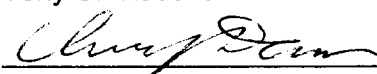
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of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition 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) _____, 2001	_____ Tony S. Kaushal
2) <u>10-27</u> , 2001	<u></u> Chuong Quang Dam
3) _____, 2001	_____ Yongqi Hu

PA 3170017 v1

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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.

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1) _____, 2001	_____
	Tony S. Kaushal
2) _____, 2001	_____
	Chuong Quang Dam
3) <u>Nov. 02, 2001</u> , 2001	<u>Yongqi Hu</u>
	Yongqi Hu

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