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05-30-2006



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To the Director of the U.S. Patents and Trademark Office		ments or the new address(es) below.
1. Name of conveying party(ies): DATE HUNG CHIH CHEN <u>5/17/06.</u>		2. Name and address of receiving party(ies) Name: <u>APPLIED MATERIALS, INC.</u> Internal Address: <u>Patent Counsel</u> Street Address: <u>P.O. Box 450-A</u> City: <u>Santa Clara</u> State: <u>CA</u> Country: <u>USA</u> Zip: <u>95052</u> Additional Name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Additional name of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		112919 U.S. PTO 117437765 051806
3. Nature of conveyance: Execution Date(s) <u>See Above</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other		
4. Application number(s) or patent number(s): <input checked="" type="checkbox"/> A. Patent Application No.(s) B. Patent No.(s) <u>11/437765</u>		This document is being filed together with a new application.
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. Name and address of party to whom correspondence concerning this document should be mailed: Name: <u>Patterson & Sheridan, L.L.P.</u> Internal Address: <u>Applied Materials Inc</u> Street Address: <u>3040 Post Oak Boulevard, Suite 1500</u> City: <u>Houston</u> State: <u>TX</u> Zip: <u>77056</u> Phone Number: <u>713-623-4844</u> Fax Number: <u>713-623-4846</u> Email Address: <u>tpatterson@pattersonsheridan.com</u>		6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> <input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)
9. Signature: <u>Robert W. Mulcahy</u> Signature <u>May 19, 2006</u> Date		8. Payment Information a. Credit Card Last 4 Numbers Expiration Date ___ b. Deposit Account Number <u>50-1074/APPM/010779/PPC/CMP/CKIM</u> Authorized User Name <u>ROBERT W. MULCAHY</u>
ROBERT W. MULCAHY - Reg No. 25,436 Name of Person Signing		Total number of pages, sheet, attachments, and documents including cover 3

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

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PATENT
REEL: 017907 FRAME: 0705

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	HUNG CHIH CHEN 430 Waddington Avenue Sunnyvale, California 94085
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(hereinafter referred to as Assignors), have invented a certain invention entitled:

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enclosed herewith or for which application for Letters Patent in the United States was filed on HEREWITH,
under Serial No. UNKNOWN, 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 conventional, 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 conventional, 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) May 17, 2006 (DATE) 
HUNG CHIH CHEN

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