RELUMBATION FUR	United States Patent and Trademark O		
PATENTS ONLY			
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.			
Name of conveying party(les):	2. Name and address of receiving party(les)		
MICHAEL P. STEWART June 08, 2006 TIMOTHY W. WEIDMAN ARULKUMAR SHANMUGASUNDRAM DAVID J. EAGLESHAM June 08, 2006 June 08, 2006	Name: APPLIED MATERIALS, INC.		
Additional name(s) of conveying party(ies) attachied? Yes X No	Street Address:		
3. Nature of conveyance/Execution Date(s):			
Execution Date(s): As noted above.	3050 Bowers Avenue		
X Assignment Merger Change of Name			
Security Agreement Joint Research Agreement	City: Santa Clara		
Government Interest Assignment	State: California		
Executive Order 9424, Confirmatory License	Country: United States of America Zip: 95054		
Other	Additional name(s) & address(es) Yes X No attached?		
	<u> </u>		
Application or patent number(s): A. Patent Application No.(s)	This document is being filed together with a new application. B. Patent No.(s)		
	D. I Ment Horley		
12/689,176, filed 01/18/2010			
Additional numbers attached?	Yes XNo		
			
Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:		
Name: B. Todd Patterson PATTERSON & SHERIDAN, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40:00		
Internal Address: Atty. Dkt.: APPM/009916USD1			
Street Address: 3040 Post Oak Blvd, Suite 1500	X Authorized to be charged to deposit account		
	Enclosed		
	None required (government interest not affecting tit		
Dity: Houston	None required (government interest not affecting tit 8. Payment information		
TV - T7050			
State: TX Zip: 77056 Phone Number: (713) 623-4844	8. Payment Information		
State: TX Zip: 77056 Phone Number: (713) 623-4844 Fax Number: (713) 623-4846	8. Payment Information Deposit Account Number50-1074		
State: TX Zip: 77056 Phone Number: (713) 623-4844 Fax Number: (713) 623-4846 Email Address: tpatterson@pattersonsheridan.com	8. Payment Information		
State: TX Zip: 77056 Phone Number: (713) 623-4844 Fax Number: (713) 623-4846	8. Payment Information Deposit Account Number 50-1074 Authorized User Name Robert W. Mulcahy		
State: TX Zip: 77056 Phone Number: (713) 623-4844 Fax Number: (713) 623-4846 Email Address: tpatterson@pattersonsheridan.com	8. Payment Information Deposit Account Number50-1074		
State: TX Zip: 77056 Phone Number: (713) 623-4844 Fax Number: (713) 623-4846 Email Address: tpatterson@pattersonsheridan.com Signature: Signature Robert W. Mulcahy - 25,436	8. Payment Information Deposit Account Number 50-1074 Authorized User Name Robert W. Mulcahy January 18, 2010 Date Total number of pages including cover 5		
State: TX Zip: 77056 Phone Number: (713) 623-4844 Fax Number: (713) 623-4846 Email Address: tpatterson@pattersonsheridan.com Signature: Signature	Deposit Account Number 50-1074 Authorized User Name Robert W. Mulcahy January 18, 2010 Date		
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009916 D01 Recordation Cover Sheet.DOC

PATENT

REEL: 023805 FRAME: 0704

Atty. Dkt. No. APPM/009916US04/PPC/ELESS/CKIM

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	MICHAEL P. STEWART 392 North Rengstorff Avenue, #2 Mountain View, CA 94043	2)	TIMOTHY W. WEIDMAN 776 Henderson Avenue Sunnyvale, CA 94086	
3)	ARULKUMAR SHANMUGASUNDRAM 428 Madera Avenue, #10 Sunnyvale, CA 94086	4)	DAVID J. EAGLESHAM 2090 Hall Circle Livermore, CA 94550	

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

ELECTROLESS DEPOSITION PROCESS ON A SILICON CONTACT

enclosed herewith or for which application for Letters Patent in the United States was filed on March 20, 2006, under Serial No. 11.385,043, 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.

- 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 IN	WITNESS WHEREOF, the	said Assignors have executed and delivered
this instrui	ment to said Assignee on the	dates indicated below.
1)	OC OF OF (DATE)	Middad PSteam
2)	6/4/06 (DATE)	MICHAEL POSTEWART
3)	06/08/06 (DATE)	ARULKUMAR SHANMUGASUNDRAM
4)	(DATE)	DAVID J. EAGLESHAM

Atty. Dkt. No. APPM/009916US04/PPC/ELESS/CKIM

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Names and Addresses of Inventors:

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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.

RECORDED: 01/19/2010

- 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 Paterits 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)	(DATE)	MICHAEL P. STEWART
2)	(DATE)	TIMOTHY W. WEIDMAN
3)	(DATE)	ARULKUMAR SHANMUGASUNDRAM
4)	6/8/0h_(DATE)	DAVID I FAGI ESHAM

2 of 2