To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new single party (les): 1. Name of conveying party (les): Dale R. DU BOIS (01/18/2011), Moharnad A. AYOUB (01/18/2011), Robert KIM (01/18/2011), Additional name(s) of conveying party (les) attached?	
1. Name of conveying party(lea): Dale R. DU BOIS (01/18/2011), Mohamad A. AYOUB (01/18/2011), Robert KIM (01/18/2011), Amit BANSAL (01/19/2011), Additional name(s) of conveying party(lea) attached?	
Dale R. DU BOIS (01/18/2011), Mohamad A. AYOUB (01/18/2011), Robert KIM (01/18/2011), Amit BANSAL (01/19/2011), Robert KIM (01/18/2011), Internal Address: Security BANSAL (01/19/2011), Additional name(s) of conveying pany(les) attached? X Yes	ıddress(es) below
AYOUB (01/18/2011), Robert KIM (01/18/2011), Amit BANSAL (01/19/2011), Additional name(s) of conveying party(les) attached? X Yes No 3. Nature of conveyance/Execution Date(s): Execution Date(s): In parentheses after inventor name X Assignment Merger Change of Name Security Agreement Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmatory License Other 4. Application or patent number(e): A. Patent Application No.(s) 12/974,365 filled December 21, 2010 Additional numbers attached? Additional numbers attached? This document is being filled together with a representation of patent No.(s) 12/974,365 filled December 21, 2010 Additional numbers attached? Name: B. Todd Patterson PATTERSON & SHERIDAN, LLP Internal Address: 3040 Post Oak Blvd, Suite 1500 X Authorized to be charged to depose Enclosed	(iee)
Amit BANSAL (01/19/2011), Additional name(s) of conveying party(les) attached? X Yes No 3. Nature of conveyance/Execution Date(s): Execution Date(s): In parentheses after inventor name X Assignment Merger Change of Name Security Agreement Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmatory License Other 4. Application or patent number(e): A. Patent Application No.(s) 12/974,365 filled December 21, 2010 Additional numbers attached? Name: B. Todd Patterson PATTERSON & SHERIDAN, LLP Internal Address: 3040 Post Oak Blvd, Suite 1500 Internal Address: Street Address: Additional number of applications and patents involved: Total number of applications and patents involved: Total fee (37 CFR 1.21(h) & 3.41) Street Address: 3040 Post Oak Blvd, Suite 1500 X Authorized to be charged to depose and patents involved: X Authorized to be charged to depose and patents involved: X Authorized to be charged to depose and patents involved: X Authorized to be charged to depose and patents involved: X Authorized to be charged to depose and patents involved: X Authorized to be charged to depose and patents involved: X Authorized to be charged to depose and patents involved: X Additional number of applications and patents involved: X Additio	I S. INC.
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3. Nature of conveyance/Execution Date(s): Execution Date(s): In parentheses after inventor name X Assignment Merger Change of Name Security Agreement Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmatory License Other 4. Application or patent number(e): A. Patent Application No.(s) 12/974,365 filed December 21, 2010 Additional numbers attached? Name: B. Todd Patterson PATTERSON & SHERIDAN, LLP Internal Address: Atty. Dkt.: APPM/14019US Street Address: 3040 Post Oak Blvd, Suite 1500 X authorized to be charged to depost Enclosed	
Execution Date(s): In parentheses after inventor name X Assignment	
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Security Agreement Government Interest Assignment Executive Order 9424, Confirmatory License Other Other Additional number(s): A. Patent Application No.(s) 12/974,365 filed December 21, 2010 Additional numbers attached? Name: B. Todd Patterson PATTERSON & SHERIDAN, LLP Internal Address: Alty. Dkt.: APPM/14019US Street Address: 3040 Post Oak Blvd, Suite 1500 Country: United States of America Country: United States of America Additional number of applications B. Patent No.(s) B. Patent No.(s) F. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) Authorized to be charged to depose Enclosed	
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Executive Order 9424, Confirmatory License Other Other Other Additional name(s) & address(es) attached? This document is being filled together with a result of the policy of the policy of the policy of applications and patents involved: Name and address to whom correspondence concerning document should be malled: Name: B. Todd Patterson PATTERSON & SHERIDAN, LLP Internal Address: Atty. Dkt.: APPM/14019US Street Address: 3040 Post Oak Blvd, Suite 1500 Country: United States of America Z Additional name(s) & address(es) B. Patent No.(s) 6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$	
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4. Application or patent number(s): A. Patent Application No.(s) 12/974,365 filed December 21, 2010 Additional numbers attached? Additional numbers attached? Additional numbers attached? Yes X No 6. Total number of applications and patents involved: Name: B. Todd Patterson PATTERSON & SHERIDAN, LLP Internal Address: Atty. Dkt.: APPM/14019US Street Address: 3040 Post Oak Bivd, Suite 1500 X Authorized to be charged to depose Enclosed	/es x No
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City: Houston 8. Payment Information	
State: TX Z(p: 77056	
Phone Number: (713) 623-4844 Deposit Account Number 5	0-1074
Email Address: tpattersop@pattersonsheridan.com Authorized User Name Robert W.	
Signature:	
- ()/// 1.77h	4 0044
Signature March	
Robert W. Mulcahy - 25,436 Total number of pages include	ing cover 14
Name of Person Signing sheet, attachments, and docu	mente:

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted by facsimile to the Patent and Trademark Office, facsimile no. (571) 273-0140, on the date shown below.

Dated: March 4. 2011 Signature: (Keith M. Tackett)

PATENT

REEL: 025930 FRAME: 0564

RECORDATION FORM COVER SHEET (PTO-1595) (supplemental sheet)						
Additional Convey	/ing Party(ies)/Exe	ecution Date(s) (1. Continued):				
(03/01/2011), Chiu Cl		V (01/22/2011), Siu F. CHENG (01/19 Anesh BALASUBRAMANIAN (01/18/ I/18/2011)				
Additional Assign	ees (2. Continued)	:				
Assignee Name:	one of the second secon					
Internal Address:						
Street Address:						
City:	State:	Country:	Zlp:			
Assignee Name:						
Internal Address:			,			
Street Address:						
City:	State:	Country:	Zip:			
Assignee Name:						
Internal Address:						
Street Address:						
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Additional Applications and/or Patents (4. Continued):						
Additional Patent Application Numbers 4A. Continued: Additional Patent Numbers 4B. Continued:						
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	Additional numbers	s attached? Yes No				

1731541-1 Docket No.: APPM/14019US

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	Dale R. DU BOIS 14285 Mulberry Drive Los Gatos, California 95032	2)	Mohamad A. AYOUB 54 Cleland Avenue, #16 Las Gatos, California 95134
3)	Robert KIM 1035 Williams Way, Apt. 3 Mountain View, Californía 94040	4)	Amit BANSAL 2147 Newhall St., #726 Santa Clara, California 95050
5)	Mark FODOR 110 Oak Rim Ct. #54 Los Gatos, California 95032	6)	Binh NGUYEN 2150 Monterey Hwy, #110 San Jose, California 95112
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9)	Chiu CHAN 418 Chesapeake Avenue Foster City, California 94404	10)	Ganesh BALASUBRAMANIAN 1002 S. Wolfe Road, Apt. D Sunnyvale, California 94086
11)	Deenesh PADHI 1066 Reed Ave, #12 Sunnyvale, California 94086	12)	Juan Carlos ROCHA 18 Cedar Street San Carlos, California 94070

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

SHADOW RING FOR MODIFYING WAFER EDGE AND BEVEL DEPOSITION

for which application for Letters Patent in the United States was filed on December 21, 2010, under Serial No. 12/974,365, executed on even date herewith; and

WHEREAS, APPLIED MATERIALS, INC., a corporation of the State of Delaware, having a place of business at Applied Materials GmbH, Slemensstr. 100, 63755 Alzenau, GERMANY (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

1629604-1

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 filling and prosecuting substitute, conventional, divisional, continuing or additional applications covering said Invention; (d) for filling 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 therefore 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.

DQ 1)	D. 18/18/201] (DATE)	Sale R. Du Bry
2)	1/18/2011 (DATE)	Dale R. Du BOIS
3)	€* # / (8 / " (DATE)	Mohamad A. AYOUB
4)	01 19 11 (DATE)	Amit BANSAL
5)	(DATE)	Mark FODOR
6)	(DATE)	Binh NGUYEN
7)	(DATE)	Siu F. CHENG
8)	(DATE)	Hang Yuj
9)	1/19/2011 (DATE)	ÇAJU CHAN
10)(DE WII (DATE)	Ganesh BALASUBRAMANIAN

11) 0/26/11 (DATE)

12) 01/(\$ 20 H (DATE)

Deenesh PADHI

Juan Carlos ROCHA

1629604-1

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1629604-1

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4)	(DATE)	Amit BANSAL
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8)	(DATE)	Hang YU
9)	(DATE)	Chiu CHAN
10)	(DATE)	Ganesh BALASUBRAMANIAN

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		Mohamad A. AYOUB
3)	(DATE)	Robert KIM
	/D A 77771	· (QDO) (· Co)
4)	(DATE)	Amit BANSAL
5)	(DATE)	
*/	(0/1/2/	Mark FODOR
6)	(DATE)	
		Binh NGUYEN
7)	(DATE)	Siu F. CHENG
	07 led 12 hu	SIUF. CHENG
8)	03/01/201\ (DATE)	Hang YU
O/	(DATE)	
9)	(UAIE)	Chiu CHAN
10)	(DATE)	
~,		Ganesh BALASUBRAMANIAN

11)	(DATE)	Deenesh PADHI
12)	(DATE)	Juan Carlos ROCHA

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