017 8 9 03-29-2	OO1 / Case 4135 P3/CALB/COPPER			
FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)				
To the Honorable Commissioner attents: 101651	347al document or copy thereof.			
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):			
Praburam Gopalraja Jianming Fu December 11, 2000 Fusen Chen Girish Dixit Zheng Xu Wei Wang Ashok K. Sinha Additional name(s) of conveying party(ies) attached? Praburam Gopalraja December 11, 2000 December 11, 2000 December 10, 2000 December 12, 2000 Ashok K. Sinha January 5, 2001 A No	Name: Applied Materials, Inc, Internal Address: P.O. Box 450-A Street Address:			
3. Nature of conveyance:	City: Santa Clara State: CA Zip: 95052			
X AssignmentMergerSecurity AgreementChange of NameOther 3 -/5-0/	Additional name(s) & address(es) attached? Yes _X_ No			
4. Application number(s) or registration number(s): If this document is being filed together with a new application, the execution date of the application is: (Date of Filing) A. Patent Application No.(s) 09/703,601 filed November 1, 2000 B. Patent No.(s)				
Additional numbers attached? Yes _X_ No				
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:1			
Name: Patent Counsel	7. Total fee (37 C.F.R. 3.41)			
Internal Address: APPLIED MATERIALS, INC.	Enclosed			
Street Address: P.O. Box 450-A	X Authorized to be charged to deposit account 50-1074			
City: Santa Clara State: CA Zip: 95052	8. Deposit account number: 50-1074 (Attach duplicate copy of this form if paying by deposit account)			
DO NOT USE THIS SPACE				
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. ROBERT W. MULCAHY Reg. No. 25,436 Name of Person Signing Signature 10. Total number of pages including cover sheet, attachments and document: 15				
Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments				

03/29/2001 AAHMED1 00000148 501074 09703601

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Washington, D.C. 20231

WHEREAS:

Names and Addresses of Inventors:

1)	Praburam GOPALRAJA 1235 Wildwood Avenue, Apt. #277 Sunnyvale, California 94089 U.S.A.	2)	Jianming FU 4631 Salina Drive San Jose, California 95124 U.S.A.
3)	Fusen CHEN 13081 La Vista Court Saratoga, California 95014 U.S.A.	4)	Girish DIXIT 3258 Reserve Court San Jose, California 95135 U.S.A.
5)	Zheng XU 279 Hudson Bay Street Foster City, California 94404 U.S.A.	6)	Wei WANG 3480 Granada Avenue, Apt. #246 Santa Clara, California 95051 U.S.A.
7)	Ashok K. SINHA 4176 Hubbart Drive Palo Alto, California 94306 U.S.A.		

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

Vault Shaped Target and Magnetron Operable in Two Sputtering Modes

for which application for Letters Patent in the United States was filed on November 1, 2000,

under Serial No. 09/703,601, 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 the Application), and the invention disclosed therein (hereinafter referred to as the 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 the Patents) thereon granted in any and all countries and groups of countries.

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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 the Application), and the invention disclosed therein (hereinafter referred to as the 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 the 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.

1)	, 2000	
•		Praburam GOPALRAJA
2)	, 2000	
		Jianming FU
3)	, 2000	
		Fusen CHEN
4)	, 2000	
		Girish DIXIT
5)	, 2000	
		Zheng XU
6)	, 2000	
		Wei WANG
7)		carlot k sinha
	2001	Ashok K. SINHA

RECORDED: 03/15/2001