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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

Docket No.: 008809 USA/MASK/ETEC/ARNOLD S

	To the Honorable Commissioner of Patents and Trademarks: I	lease record the attached original documents of copy thereor.	
1.	Name of conveying party(ies) <u>Execution Date</u>	Name and address of receiving party(ies)	
	Juan R. Maldonado September 1, 2004	Name: Applied Materials, Inc.	
	Steven T. Coyle September 1, 2004	Internal Address: Patent Department	
Addi	tional name(s) of conveying party(ies) attached? [] Yes [X] No	Mail Stop 2061	
3.	Nature of conveyance:		
	[X] Assignment [] Merger	Street Address: P.O. Box 450A	
	[] Security Agreement [] Change of Name		
	[] Other	City: <u>Santa Clara</u> State: <u>CA</u> ZIP: <u>95052</u>	
	Execution Date: See Above	Additional name(s) & address(es) attached? [] Yes [X] No	
4.	Application number(s) or patent number(s):		
	If this document is being filed together with a new applica	ation, the execution date of the application is:	
	A. Patent Application No.(s): 10/856,111 Filed: May 28, 2004	B. Patent No.(s)	
Additional numbers attached? [] Yes [X] No			
5.	Name and address of party to whom correspondence		
Ο.	concerning document should be mailed:	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) \$ 40.00	
	Name: Applied Materials, Inc.	Please charge deposit account no. <u>50-1074</u> in the sum of	
	Patent Department, M/S 2061		
	Address: P.O. Box 450A Santa Clara, California 95052	<u>\$40.00</u> .	
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	Robert W. Mulcahy, Reg. No. 25,436 Name of Person Signing Signature	Date Date	
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ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1) Juan R. Maldonado 3168 Middlefield Road Palo Alto, CA 94306 U.S.A. 2) Steven T. Coyle 1049 Fair Oaks Ave. Alameda, CA 94501 U.S.A.

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

"MULTIPLE ELECTRON BEAM SYSTEM"

- [] which is attached hereto
- for which application for Letters Patent in the United States was filed on May 28, 2004, under Serial No. 10/856,111, 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

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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)

Date

2) 4-1.

Date

Juán R. Mardonado

Steven T. Coyle

A:\assignment.doc

RECORDED: 09/20/2004

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