
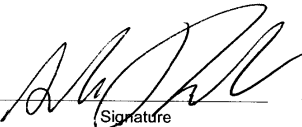


06-03-2005

FORM PTO-1595 (Rev. 10/02) OMD No. 0651-0011 (exp. 6/30/2005)		R		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
5-31-05		103015682		
To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.				
1. Name of conveying party(ies): Chiwoei Wayne Lo; Xinrong Jiang		2. Name and address of receiving party(ies): Name: Applied Materials Inc.		
Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		Internal Address: _____		
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____		Street Address: 3050 Bowers Avenue		
Execution Date: <u>4/19/05; 4/21/05</u>		City: Santa Clara State: CA Zip: 95054		
		Country: USA		
		Additional name(s) & address(es) attached? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is:				
A. Patent Application No.(s) 10/826,018		B. Patent No.(s) _____ _____ _____ _____		
Additional numbers attached? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes				
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Applied Materials, Inc. Internal Address: _____ Street Address: 12400 Wilshire Boulevard 7th Floor City: Los Angeles State: CA ZIP: 90025		6. Total number of applications and patents involved: 1		
		7. Total Fee (37 CFR 3.41).....\$ 40.00 <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account		
		8. Deposit Account Number: 02-2666 (Attach duplicate copy of this page if paying by deposit account)		
DO NOT USE THIS SPACE				
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.</i>				
Adam Furst _____ Name of Person Signing		 _____ Signature		
		May 27, 2005 _____ Date		
Total number of pages including cover sheet, attachments, and document: 5				

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FINANCE SECTION

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06/02/2005 EDOOPER 00000188 022666 10826018
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Docket No. 6317P090D2

Mail documents to be recorded with required cover sheet information to:
Mail Stop Assignment Recordation Services
Director of the US Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450PATENT
REEL: 016615 FRAME: 0370

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

Chiwoei Wayne Lo; Xinrong Jiang

hereby sell, assign, and transfer to:

Applied Materials Inc.

a Corporation of Delaware, having a principal place of business at 3050 Bowers Avenue, Santa Clara, California 95054 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent filed on April 15, 2004, and assigned Application No. 10/826,018 and is entitled:

Method and Apparatus for Multiple Charged Particle Beams

and in and to said application and all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority from the filing of said United States applications;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, power of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

Date	<u>4/11/05</u>	Name:	<u>Chiwoei Wayne Lo</u>
Date		Name:	<u>Xinrong Jiang</u>
Date		Name:	
Date		Name:	
Date		Name:	
Date		Name:	
Date		Name:	
Date		Name:	
Date		Name:	
Date		Name:	

Assignment Document Return Address:
APPLIED MATERIALS, INC.
Patent Counsel
P.O. Box 450A
Santa Clara, CA 95052
Telephone: (408) 947-8200

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

Chiwoei Wayne Lo; Xinrong Jiang

hereby sell, assign, and transfer to:

Applied Materials Inc.

a Corporation of Delaware, having a principal place of business at 3050 Bowers Avenue, Santa Clara, California 95054 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent filed on April 15, 2004, and assigned Application No. 10/826,018 and is entitled:

Method and Apparatus for Multiple Charged Particle Beams

and in and to said application and all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority from the filing of said United States applications;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, power of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

Date	Name: Chiwoei Wayne Lo
Date <i>04/19/2005</i>	Name: Xinrong Jiang <i>Xinrong Jiang</i>
Date	Name:
Date	Name:
Date	Name:
Date	Name:
Date	Name:
Date	Name:
Date	Name:
Date	Name:

Assignment Document Return Address:
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Patent Counsel
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Santa Clara, CA 95052
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6317P090D2

Page 2 of 2

RECORDED: 05/31/2005

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