

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>JOHN C. FORSTER</td> <td>07/10/2008</td> </tr> <tr> <td>DANIEL J. HOFFMAN</td> <td>07/11/2008</td> </tr> <tr> <td>JOHN A. PIPITONE</td> <td>07/11/2008</td> </tr> <tr> <td>XIANMIN TANG</td> <td>07/10/2008</td> </tr> <tr> <td>RONGJUN WANG</td> <td>07/11/2008</td> </tr> </tbody> </table>		Name	Execution Date	JOHN C. FORSTER	07/10/2008	DANIEL J. HOFFMAN	07/11/2008	JOHN A. PIPITONE	07/11/2008	XIANMIN TANG	07/10/2008	RONGJUN WANG	07/11/2008
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RECEIVING PARTY DATA													
Name:	APPLIED MATERIALS, INC.												
Street Address:	P.O. BOX 450A												
Internal Address:	LEGAL AFFAIRS DEPT.												
City:	SANTA CLARA												
State/Country:	CALIFORNIA												
Postal Code:	95052												
PROPERTY NUMBERS Total: 1													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12173198</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12173198								
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CORRESPONDENCE DATA													
Fax Number:	(408)986-3090												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	408-563-2726												
Email:	robert_mulcahy@contractor.amat.com												
Correspondent Name:	Robert W. Mulcahy												
Address Line 1:	P.O. BOX 450A												
Address Line 2:	LEGAL AFFAIRS DEPT.												
Address Line 4:	SANTA CLARA, CALIFORNIA 95052												
ATTORNEY DOCKET NUMBER:	AM12652/CPI/CROCKER S												

CH \$40.00 12173198

NAME OF SUBMITTER:

ROBERT W MULCAHY

Total Attachments: 2

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ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

1)	JOHN C. FORSTER 465 10 TH STREET #205 SAN FRANCISCO, CA 94103	2)	DANIEL J. HOFFMAN 12343 ARROYO DE ARGUELLO SARATOGA, CA 95070
3)	JOHN A. PIPITONE 2447 LEXINGTON PLACE LIVERMORE, CA 94550	4)	XIANMING TANG 4758 WILLIAMS ROAD SAN JOSE, CA 95129
5)	RONGJUN WANG 20990 VALLEY GREEN DRIVE #618 CUPERTINO, CA 95014		

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

"APPARATUS FOR CONTROLLING RADIAL DISTRIBUTION OF PLASMA ION DENSITY AND ION ENERGY AT A WORKPIECE SURFACE BY MULTI-FREQUENCY RF IMPEDANCE TUNING"

for which application for Letters Patent in the United States was filed on: HEREWITH, Serial No.: UNKNOWN; 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.

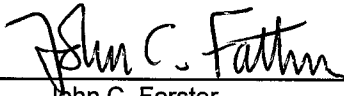
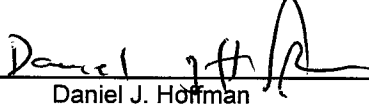
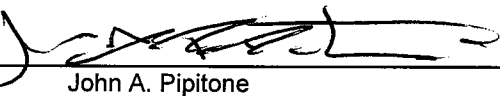
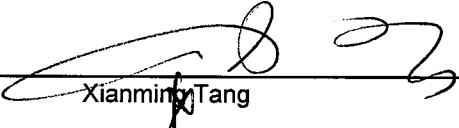
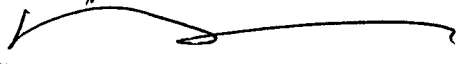
2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt 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 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) July 10th, 2008 
John C. Forster
- 2) 7-18-8, 2008 
Daniel J. Hoffman
- 3) JULY 11, 2008 
John A. Pipitone
- 4) July 10th, 2008 
Xianming Tang
- 5) July 11th, 2008 
Rongjun Wang

L.T.