

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2638446

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>MING-FENG WU</td><td>07/22/2013</td></tr><tr><td>AJIT BALAKRISHNA</td><td>07/19/2013</td></tr><tr><td>LEONID DORF</td><td>07/29/2013</td></tr><tr><td>SHAHID RAUF</td><td>07/22/2013</td></tr><tr><td>KENNETH S COLLINS</td><td>07/29/2013</td></tr><tr><td>NIPUN MISRA</td><td>11/18/2013</td></tr></tbody></table>		Name	Execution Date	MING-FENG WU	07/22/2013	AJIT BALAKRISHNA	07/19/2013	LEONID DORF	07/29/2013	SHAHID RAUF	07/22/2013	KENNETH S COLLINS	07/29/2013	NIPUN MISRA	11/18/2013
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<table border="1"><tr><td>Name:</td><td>APPLIED MATERIALS, INC.</td></tr><tr><td>Street Address:</td><td>3050 BOWERS AVENUE</td></tr><tr><td>City:</td><td>SANTA CLARA</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>95054</td></tr></table>		Name:	APPLIED MATERIALS, INC.	Street Address:	3050 BOWERS AVENUE	City:	SANTA CLARA	State/Country:	CALIFORNIA	Postal Code:	95054				
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Application Number:	13945200														
CORRESPONDENCE DATA															
Fax Number: (805)644-8046															
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<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>															
Correspondent Name: LAW OFFICE OF ROBERT M. WALLACE															
Address Line 1: 2112 EASTMAN AVENUE, SUITE 102															
Address Line 4: VENTURA, CALIFORNIA 93003															
NAME OF SUBMITTER:	ROBERT M. WALLACE														
Signature:	/robert wallace/														

CH \$40.00 13945200

Date:

12/05/2013

Total Attachments: 4

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ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

1)	MING-FENG WU 4047 HAMILTON AVENUE, APT. F6 SAN JOSE, CA 95130	2)	AJIT BALAKRISHNA 555 E. WASHINGTON AVENUE #301 SUNNYVALE, CA 94086
3)	LEONID DORF 4786 PORTOLA REDWOOD LANE SAN JOSE, CA 95124	4)	SHAHID RAUF 6167 CORTE PADRE PLEASANTON, CA 94566
5)	KENNETH S. COLLINS 7214 GLENVIEW DRIVE SAN JOSE, CA 95120	6)	NIPUN MISRA 190 RYLAND STREET, APT. #1322 SAN JOSE, CA 95110

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

"PLASMA REACTOR WITH ELECTRON BEAM PLASMA SOURCE HAVING A UNIFORM MAGNETIC FIELD"for which application for Letters Patent in the United States was filed on: **July 18, 2013**,
Serial No.: **13/945,200**; 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.

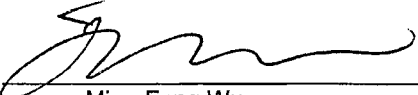
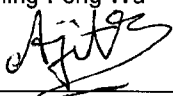
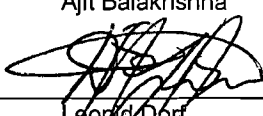
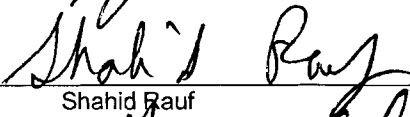
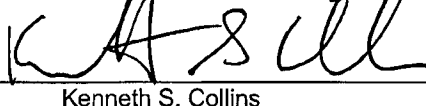
2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt 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) 7/22, 2013 
Ming-Feng Wu
- 2) July 19, 2013 
Ajit Balakrishna
- 3) 7/29, 2013 
Leonid Dorf
- 4) 7/22/, 2013 
Shahid Rauf
- 5) 7/29, 2013 
Kenneth S. Collins
- 6) _____, 2013 _____
Nipun Misra

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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.

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5) _____, 2013 _____
Kenneth S. Collins

6) 11/18/, 2013 Nipun Misra
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