

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3956155

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAMES D. CARDUCCI	10/29/2012
HAMID TAVASSOLI	11/06/2012
AJIT BALAKRISHNA	11/06/2012
ZHIGANG CHEN	10/19/2012
ANDREW NGUYEN	11/12/2012
DOUGLAS A. BUCHBERGER JR.	11/06/2012
KARTIK RAMASWAMY	11/09/2012
SHAHID RAUF	11/02/2012
KENNETH S. COLLINS	11/12/2012

RECEIVING PARTY DATA

Name:	APPLIED MATERIALS, INC.
Street Address:	3050 BOWERS AVENUE
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95054

PROPERTY NUMBERS Total: 4

Property Type	Number
Application Number:	15198969
Application Number:	15198993
Application Number:	15199046
Application Number:	15199068

CORRESPONDENCE DATA

Fax Number: (713)623-4846

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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psdocketing@pattersonsheridan.com

Correspondent Name: PATTERSON + SHERIDAN, LLP

Address Line 1: 595 SHREWSBURY AVE

PATENT

Address Line 2: SUITE 100
Address Line 4: SHREWSBURY, NEW JERSEY 07702

ATTORNEY DOCKET NUMBER:	16242USC1
NAME OF SUBMITTER:	KEITH TABOADA
SIGNATURE:	/Keith Taboada/
DATE SIGNED:	07/11/2016

Total Attachments: 4

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ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	James D. Carducci 731 Gail Avenue Sunnyvale, California 94086	2)	Hamid TAVASSOLI 19061 Tilson Avenue Cupertino, California 95014
3)	Ajit BALAKRISHNA 555 E. Washington Avenue, #301 Sunnyvale, California 94086	4)	Zhigang CHEN 2742 Montavo Place Campbell, California 95008
5)	Andrew NGUYEN 3148 Hostetter Road San Jose, California 95132	6)	Douglas A. BUCHBERGER, Jr., Jr. 2076 Vintage Lane Livermore, California 94550
7)	Kartik RAMASWAMY 1646 Tarrygate Way 10020 VIEWPOINT ⁸⁾ LANE San Jose, California 95120 <i>KR</i>	8)	Shahid RAUF 6167 Corte Padre Pleasanton, California 94566
9)	Kenneth S. COLLINS 7214 Glenview Drive San Jose, California 95120		

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

SYMMETRIC PLASMA PROCESS CHAMBER

for which application for Letters Patent in the United States was filed on September 27, 2012, under Serial No. 13/629,267, 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 conventional, division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.


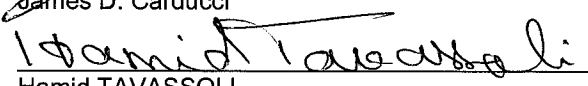
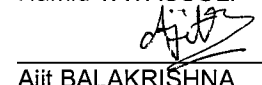

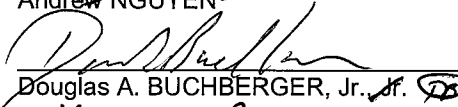

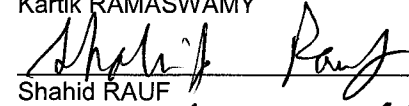

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to

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, conventional, 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 therefore 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) 10/29/12 (DATE) 
James D. Carducci
- 2) 11/6/2012 (DATE) 
Hamid TAVASSOLI
- 3) _____ (DATE) 
Ajit BALAKRISHNA
- 4) _____ (DATE) _____
Zhigang CHEN
- 5) 11/12/12 (DATE) 
Andrew NGUYEN
- 6) 11/6/12 (DATE) 
Douglas A. BUCHBERGER, Jr.
- 7) 11/9/2012 (DATE) 
Kartik RAMASWAMY
- 8) 11/2/2012 (DATE) 
Shahid RAUF
- 9) 11/12/2012 (DATE) 
Kenneth S. COLLINS

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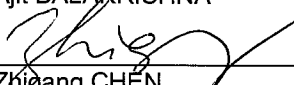
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- 1) _____ (DATE) _____
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Ajit BALAKRISHNA
- 4) 10/19/2012 (DATE) _____

Zhigang CHEN
- 5) _____ (DATE) _____
Andrew NGUYEN
- 6) _____ (DATE) _____
Douglas A. BUCHBERGER, Jr., Jr.
- 7) _____ (DATE) _____
Kartik RAMASWAMY
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Kenneth S. COLLINS