

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
KENNETH S. COLLINS	03/16/2007
HIROJI HANAWA	03/05/2007
KARTIK RAMASWAMY	03/16/2007
DOUGLAS A. BUCHBERGER, JR.	03/06/2007
SHAHID RAUF	03/05/2007
KALLOL BERA	03/02/2007
LAWRENCE WONG	03/05/2007
WALTER R. MERRY	03/07/2007
MATTHEW L. MILLER	03/05/2007
STEVEN C. SHANNON	03/05/2007
ANDREW NGUYEN	03/05/2007
JAMES P. CRUSE	03/06/2007
JAMES CARDUCCI	03/16/2007
TROY S. DETRICK	03/19/2007
SUBHASH DESHMUKH	03/05/2007
JENNIFER Y. SUN	03/02/2007

**RECEIVING PARTY DATA**

<b>Name:</b>	Applied Materials, Inc.
<b>Street Address:</b>	P.O. Box 450-A
<b>Internal Address:</b>	Legal Affairs Department
<b>City:</b>	Santa Clara
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95052

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	11733767

CH \$40.00 11733767

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:

11698-02/ETCH/CHMBR

NAME OF SUBMITTER:

JO ANN COTTRELL

Total Attachments: 3

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**ASSIGNMENT FOR APPLICATION FOR PATENT**

WHEREAS:

Names and Addresses  
of Inventors:

1)	KENNETH S. COLLINS 7214 GLENVIEW DRIVE SAN JOSE, CA 95120	2)	HIROJI HANAWA 696 SPRUCE DRIVE SUNNYVALE, CA 94086
3)	KARTIK RAMASWAMY 1648 TAWNYGATE WAY SAN JOSE, CA 95124	4)	DOUGLAS A. BUCHBERGER JR. 2076 VINTAGE LANE LIVERMORE, CA 94550
5)	SHAHID RAUF 6167 CORTE PADRE PLEASANTON, CA 94566	6)	KALLOL BERA 2100 FRUITDALE AVENUE #6 SAN JOSE, CA 95128
7)	LAWRENCE WONG 45587 PARKMEADOW COURT FREMONT, CA 94539	8)	WALTER R. MERRY 982 WEST IOWA AVENUE SUNNYVALE, CA 94086
9)	MATTHEW L. MILLER 3114 SALISBURY COURT FREMONT, CA 94555	10)	STEVEN C. SHANNON 1501 TROLLMAN SAN MATEO, CA 94401
11)	ANDREW NGUYEN 3148 HOSTETTER ROAD SAN JOSE, CA 95132	12)	JAMES P. CRUSE 2323 LAUREL GLEN ROAD SOQUEL, CA 95073
13)	JAMES CARDUCCI 731 GAILE AVENUE SUNNYVALE, CA 94086	14)	TROY S. DETRICK 1482 RAVENWOOD DRIVE LOS ALTOS, CA 94024
15)	SUBHASH DESHMUKH 5280 APPENNINES CIRCLE SAN JOSE, CA 95138	16)	JENNIFER Y. SUN 9964 ALPINE TERRACE SUNNYVALE, CA 94086

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

**"IMPROVING PLASMA PROCESS UNIFORMITY ACROSS A WAFER BY GROUND RETURN PATH IMPEDANCES AMONG PLURAL VHF SOURCES"**

for which application for Letters Patent in the United States was filed 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 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.

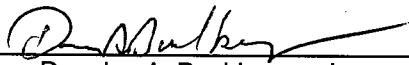
4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

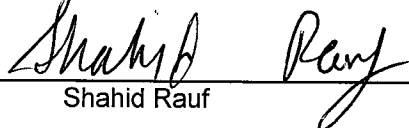
IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1) 3-16, 2007   
Kenneth S. Collins

2) 3-5, 2007   
Hiraji Hanawa

3) 3-16-, 2007   
Kartik Ramaswamy

4) 3-6-, 2007   
Douglas A. Buchberger Jr.

5) 3/5/, 2007   
Shahid Rauf

- 6) 03/02/ 2007 Kallol Bera  
Kallol Bera
- 7) 07/05/07 2007 Lawrence Wong  
Lawrence Wong
- 8) 3-7-07 2007 Walter R. Merry  
Walter R. Merry
- 9) 3/5/07 2007 Matthew L. Miller  
Matthew L. Miller
- 10) 3/5 2007 Steven C. Shannon  
Steven C. Shannon
- 11) 3/5/ 2007 Andrew Nguyen  
Andrew Nguyen
- 12) 6/1/07 2007 James P. Cruse  
James P. Cruse
- 13) 3/16/ 2007 James Carducci  
James Carducci
- 14) 3/19/07 2007 Troy S. Detrick  
Troy S. Detrick
- 15) 3/5/07 2007 Subhash Deshmukh  
Subhash Deshmukh
- 16) 3-2007 2007 Jennifer Y. Sun  
Jennifer Y. Sun