

## PATENT ASSIGNMENT

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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>Kenneth S. Collins</td><td>01/19/2005</td></tr><tr><td>Hiroji Hanawa</td><td>01/05/2005</td></tr><tr><td>Kartik Ramaswamy</td><td>01/05/2005</td></tr><tr><td>Amir Al-Bayati</td><td>01/12/2005</td></tr><tr><td>Andrew Nguyen</td><td>01/05/2005</td></tr><tr><td>Biagio Gallo</td><td>01/04/2005</td></tr></tbody></table>	Name	Execution Date	Kenneth S. Collins	01/19/2005	Hiroji Hanawa	01/05/2005	Kartik Ramaswamy	01/05/2005	Amir Al-Bayati	01/12/2005	Andrew Nguyen	01/05/2005	Biagio Gallo	01/04/2005	
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RECEIVING PARTY DATA															
Name:	Applied Materials, Inc.														
Street Address:	P.O. Box 450-A														
Internal Address:	Legal Affairs Department														
City:	Santa Clara														
State/Country:	CALIFORNIA														
Postal Code:	95052														
PROPERTY NUMBERS Total: 1															
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>10971772</td></tr></tbody></table>	Property Type	Number	Application Number:	10971772											
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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:	408-235-6536														
Email:	jo_ann_cottrell@amat.com														
Correspondent Name:	Applied Materials, Inc.														
Address Line 1:	P.O. Box 450-A														
Address Line 2:	Legal Affairs Dept.														
Address Line 4:	Santa Clara, CALIFORNIA 95052														
NAME OF SUBMITTER:	Jo Ann Cottrell														

PATENT

500036171

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CH \$40.00 10971772

Total Attachments: 2

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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 2382 ST. IGNATIUS PLACE #323 SANTA CLARA, CA 95051	4)	AMIR AL-BAYATI 3302 CHEMIN DE RIVIERE SAN JOSE, CA 95148
5)	ANDREW NGUYEN 3148 HOSTETTER ROAD SAN JOSE, CA 95132	6)	BIAGIO GALLO 160 COLLEGE AVENUE LOS GATOS, CA 95030

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

***"RF MEASUREMENT FEEDBACK CONTROL AND DIAGNOSTICS FOR A PLASMA IMMERSION ION IMPLANTATION REACTOR"***

for which application for Letters Patent in the United States was filed on October 23, 2004, under Serial No. 10/971,772, 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 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) 1-19, 2005 K S Collins  
Kenneth S. Collins
- 2) 1-05-05, 2005 Hiroji Hanawa  
Hiroji Hanawa
- 3) 1-05-05, 2005 Kartik Ramaswamy  
Kartik Ramaswamy
- 4) 01/02/05, 2005 Amir Al-Bayati  
Amir Al-Bayati
- 5) 01/05/05, 2005 Andrew Nguyen  
Andrew Nguyen
- 6) 01/04/05, 2005 Biagio Gallo  
Biagio Gallo