

PATENT ASSIGNMENT COVER SHEET

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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>VLADIMIR KNYAZIK</td> <td>01/30/2014</td> </tr> <tr> <td>SAMER BANNA</td> <td>01/30/2014</td> </tr> <tr> <td>KYLE R. TANTIWONG</td> <td>01/30/2014</td> </tr> </tbody> </table>		Name	Execution Date	VLADIMIR KNYAZIK	01/30/2014	SAMER BANNA	01/30/2014	KYLE R. TANTIWONG	01/30/2014
Name	Execution Date								
VLADIMIR KNYAZIK	01/30/2014								
SAMER BANNA	01/30/2014								
KYLE R. TANTIWONG	01/30/2014								
RECEIVING PARTY DATA									
Name:	APPLIED MATERIALS, INC.								
Street Address:	3050 BOWERS AVENUE								
City:	SANTA CLARA								
State/Country:	CALIFORNIA								
Postal Code:	95054								
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>14107184</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14107184				
Property Type	Number								
Application Number:	14107184								
CORRESPONDENCE DATA									
Fax Number:	(805)644-8046								
Phone:	805-644-4035								
Email:	wallace-patents@sbcglobal.net								
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>									
Correspondent Name:	ROBERT M. WALLACE								
Address Line 1:	LAW OFFICE OF ROBERT M. WALLACE								
Address Line 2:	2112 EASTMAN AVENUE, SUITE 102								
Address Line 4:	VENTURA, CALIFORNIA 93003								
ATTORNEY DOCKET NUMBER:	021090/USA/02/ETCH/SILICO								
NAME OF SUBMITTER:	ROBERT M. WALLACE								
Signature:	/robert wallace/								

Date:

02/03/2014

Total Attachments: 2

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ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

1)	VLADIMIR KNYAZIK ^{VIR} 1975 DE LA PENNA AVE 220 VENTURA AVENUE #9A PALO ALTO, CA 94306 SANTA CLARA CA 95050	2)	SAMER BANNA 861 BASKING LANE SAN JOSE, CA 95138
3)	KYLE R. TANTIWONG 266 SONIA WAY LIVERMORE, CA 94550		

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

"MULTIPLE ZONE COIL ANTENNA WITH PLURAL RADIAL LOBES"

for which application for Letters Patent in the United States was filed on: **December 16, 2013**,
Serial No.: **14/107,184**; 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.

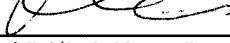
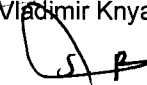
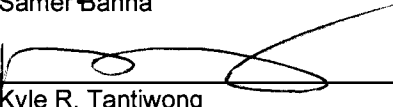
2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt 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) 01.30, 2014 
Vladimir Knyazik
- 2) 1-30, 2014 
Samer Banna
- 3) 1-30, 2014 
Kyle R. Tantiwong