

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2617527

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>JANG-GYOO YANG</td> <td>09/25/2013</td> </tr> <tr> <td>XINGLONG CHEN</td> <td>11/11/2013</td> </tr> <tr> <td>SOONAM PARK</td> <td>11/11/2013</td> </tr> <tr> <td>JONGHOON BAEK</td> <td>11/11/2013</td> </tr> <tr> <td>SAURABH GARG</td> <td>11/11/2013</td> </tr> <tr> <td>SHANKAR VENKATARAMAN</td> <td>11/11/2013</td> </tr> </tbody> </table>		Name	Execution Date	JANG-GYOO YANG	09/25/2013	XINGLONG CHEN	11/11/2013	SOONAM PARK	11/11/2013	JONGHOON BAEK	11/11/2013	SAURABH GARG	11/11/2013	SHANKAR VENKATARAMAN	11/11/2013
Name	Execution Date														
JANG-GYOO YANG	09/25/2013														
XINGLONG CHEN	11/11/2013														
SOONAM PARK	11/11/2013														
JONGHOON BAEK	11/11/2013														
SAURABH GARG	11/11/2013														
SHANKAR VENKATARAMAN	11/11/2013														
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>13829669</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13829669										
Property Type	Number														
Application Number:	13829669														
CORRESPONDENCE DATA															
Fax Number:															
Email:	sserrano@kilpatricktownsend.com														
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>															
Correspondent Name:	KILPATRICK TOWNSEND & STOCKTON LLP / AMA														
Address Line 1:	TWO EMBARCADERO CENTER														
Address Line 2:	EIGHTH FLOOR														
Address Line 4:	SAN FRANCISCO, CALIFORNIA 94111-3834														
ATTORNEY DOCKET NUMBER:	80042-869603														
NAME OF SUBMITTER:	DANIEL K. MCCORMICK														

OP \$40.00 13829669

Signature:	/Daniel K. McCormick/
Date:	11/15/2013
Total Attachments: 3 source=80042-869603_Assignment-executed#page1.tif source=80042-869603_Assignment-executed#page2.tif source=80042-869603_Assignment-executed#page3.tif	

**ASSIGNMENT FOR APPLICATION FOR PATENT**

WHEREAS:

Names and Addresses  
of Inventors:

1)	Jang-Gyoo Yang 1960 Spanish Bay Court San Jose, CA 95138	2)	Xinglong Chen 1852 Geneva Street San Jose, CA 95124
3)	Soonam Park 935 La Mesa Terrace, Unit I Sunnyvale, CA 94086	4)	Jonghoon Baek 5263 Lassen Avenue San Jose, CA 95129
5)	Saurabh Garg P.O. Box 450A Santa Clara, CA 95052	6)	Shankar Venkataraman 5974 Thorntree Drive San Jose, CA 95120

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

**SEMICONDUCTOR PROCESSING WITH DC ASSISTED RF POWER FOR IMPROVED CONTROL**

for which application for Letters Patent in the United States was filed on March 14, 2013, under Application No. 13/829,669, 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.

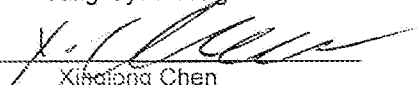

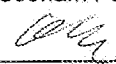
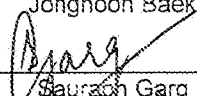
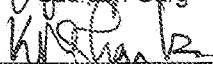
1) <u>9-25-2013</u> , 2013	 _____ Jang-Gyoo Yang
2) _____, 2013	_____ Xinglong Chen
3) _____, 2013	_____ Soonam Park
4) _____, 2013	_____ Jonghoon Baek
5) _____, 2013	_____ Saurabh Garg
6) _____, 2013	_____ Shanker Venkataraman

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) _____, 2013	_____	Jang-Gyoo Yang
2) <u>11/11</u> , 2013	_____	 Xinglong Chen
3) <u>11/11/2013</u> , 2013	_____	 Soonam Park
4) <u>NOV. 11</u> , 2013	_____	 Jonghoon Baek
5) <u>11/11/2013</u> , 2013	_____	 Saurabh Garg
6) <u>11/11/13</u> , 2013	_____	 Shankar Venkataraman