

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHUNLEI ZHANG	02/14/2011
SERGIO F. SHOJI	02/14/2011
ANDREY SEMENIN	02/15/2011
KARTIK RAMASWAMY	02/22/2011
JAMES P. CRUSE	02/14/2011
BRYAN LIAO	03/04/2011
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	
Property Type	Number
Application Number:	12899048
CORRESPONDENCE DATA	
Fax Number:	(408)986-3090
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	408-563-5758
Email:	pauline_fischer@amat.com
Correspondent Name:	Pauline S. Fischer
Address Line 1:	Applied Materials, Inc.
Address Line 2:	P.O. Box 450 A
Address Line 4:	Santa Clara, CALIFORNIA 95052
ATTORNEY DOCKET NUMBER:	13484US/ETCH/CHMBR/MDD

CH \$40.00 12899048

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PATENT
REEL: 025999 FRAME: 0385

NAME OF SUBMITTER:

Pauline Fischer

Total Attachments: 4

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ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

- | | | |
|--|--|--|
| 1) CHUNLEI ZHANG
3612 Flora Vista Ave., Apt. 365
Santa Clara, CA 95051 | <i>3708 Europe Ct
Santa Clara CA 95051</i> | 4) KARTIK RAMASWAMY
1646 Tawnygate Way
San Jose, CA 95124 |
| 2) SERGIO F. SHOJI
6254 Culvert Dr.
San Jose, CA 95123 | | 5) JAMES P. CRUSE
422 Trevethan Ave.
Santa Cruz, CA 95062 |
| 3) ANDREY SEMENIM
745 S. Bernardo Ave., #218A
Sunnyvale, CA 94087 | | 6) BRYAN LIAO
12792 Rodoni Court
Saratoga, CA 95070 |

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

METHODS AND APPARATUS FOR TUNING MATCHING NETWORKS

for which we have filed an application for a Patent of the United States on October 6, 2010, Serial No. 12/899,048; 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



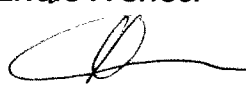

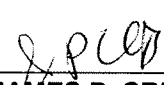
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additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving 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>02/14</u> , 2011	 _____ CHUNLEI ZHANG
2)	<u>02-14</u> , 2011	 _____ SERGIO F. SHOJI
3)	<u>2/15/</u> , 2011	 _____ ANDREY SEMENIN
4)	<u>2/22</u> , 2011	 _____ KARTIK RAMASWAMY
5)	<u>2/14</u> , 2011	 _____ JAMES P. CRUSE
6)	_____, 2011	_____ BRYAN LIAO

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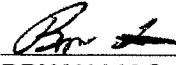
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4)	_____ , 2011	_____ KARTIK RAMASWAMY
5)	_____ , 2011	_____ JAMES P. CRUSE
6)	<u>4 MAR</u> _____ , 2011	 _____ BRYAN LIAO