

## 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>Rajkumar Alagarsamy</td> <td>06/19/2013</td> </tr> <tr> <td>Yongqi Hu</td> <td>06/28/2013</td> </tr> <tr> <td>Simon Yavelberg</td> <td>06/17/2013</td> </tr> <tr> <td>Periya Gopalan</td> <td>06/28/2013</td> </tr> <tr> <td>Christopher R. Mahon</td> <td>07/10/2013</td> </tr> </tbody> </table>		Name	Execution Date	Rajkumar Alagarsamy	06/19/2013	Yongqi Hu	06/28/2013	Simon Yavelberg	06/17/2013	Periya Gopalan	06/28/2013	Christopher R. Mahon	07/10/2013
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<table border="1"> <tr> <td>Name:</td> <td>Applied Materials, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>3050 Bowers Avenue M/S 1269</td> </tr> <tr> <td>City:</td> <td>Santa Clara</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95054</td> </tr> </table>		Name:	Applied Materials, Inc.	Street Address:	3050 Bowers Avenue M/S 1269	City:	Santa Clara	State/Country:	CALIFORNIA	Postal Code:	95054		
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CORRESPONDENCE DATA													
<p>Fax Number: 8777697945  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (650) 839-5070        Email: jhr@fr.com        Correspondent Name: David J. Goren        Address Line 1: FISH &amp; RICHARDSON P.C.        Address Line 2: P.O.BOX 1022        Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022</p>													
ATTORNEY DOCKET NUMBER:	22558-0064001												
NAME OF SUBMITTER:	David J. Goren												

CH \$40.00 13839899

Signature:	/David Goren/
Date:	07/15/2013
Total Attachments: 3 source=225580064001Assignment#page1.tif source=225580064001Assignment#page2.tif source=225580064001Assignment#page3.tif	

**ASSIGNMENT FOR APPLICATION FOR PATENT**

WHEREAS:

Names and Addresses of Inventors:

Rajkumar Alagarsamy 1235 Wildwood Avenue, Apt. 392 Sunnyvale, CA 94089
--

Periya Gopalan 417 Calero Ave San Jose, CA 95123
--

Yongqi Hu 49204 Park Terrace Fremont, CA 94539
--

Christopher R. Mahon 652 Hensley Avenue San Bruno, CA 94066
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Simon Yavelberg 10355 Plumtree Lane Cupertino, CA 95014
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(hereinafter referred to as Assignors), have invented a certain invention entitled:

Polishing Pad with Secondary Window Seal

for which application for Letters Patent in the United States was filed on 3/15/2013, under Serial

No. 13/839,899, 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 the Application), and the invention disclosed therein (hereinafter referred to as the 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 the 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,

ASSIGNMENT FOR APPLICATION FOR PATENT – Page 2

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.

Date: 06/19/13 \_\_\_\_\_  
RAJKUMAR ALAGARSAMY

Date: 06/28/2013 \_\_\_\_\_  
YONGQI HU

Date: 6/17/2013 \_\_\_\_\_  
SIMON YAVELBERG

Date: 06/28/2013 \_\_\_\_\_  
PERIYA GOPALAN

Date: 7/10/2013 \_\_\_\_\_  
CHRISTOPHER R. MAHON

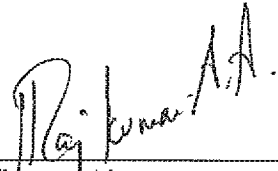
Certificate of Assignment Of Right of Priority

I/We the undersigned do hereby assign all of our rights and interests (including the priority right) in the People's Republic of China pertaining to the invention/new utility model/new design entitled:

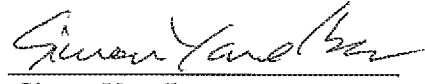
**POLISHING PAD WITH SECONDARY WINDOW SEAL**

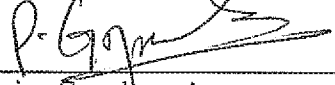
to

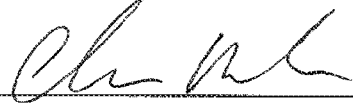
APPLIED MATERIALS, INC., a corporation organized and existing under the laws of the State of Delaware, United States of America and located at 3050 Bowers Avenue, Santa Clara, California 95054, U.S.A.

Date: 6/19/13 Signature:  Name in Chinese Characters (if applicable) \_\_\_\_\_  
 Name: Rajkumar Alagarsamy  
 Address: 1235 Wildwood Avenue, Apt. 392  
 Sunnyvale, CA 94089  
 Nationality: India

Date: 06/28/13 Signature:  胡永其  
 Name: Yongqi Hu  
 Address: 49204 Park Terrace  
 Fremont, CA 94539  
 Nationality: United States

Date: 4/17/13 Signature:  \_\_\_\_\_  
 Name: Simon Yavelberg  
 Address: 10355 Plumtree Lane  
 Cupertino, CA 95014  
 Nationality: United States

Date: 06/28/13 Signature:  \_\_\_\_\_  
 Name: Periya Gopalan  
 Address: 417 Calero Ave  
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 Nationality: United States

Date: 7/10/2013 Signature:  \_\_\_\_\_  
 Name: Christopher R. Mahon  
 Address: 652 Hensley Avenue  
 San Bruno, CA 94066  
 Nationality: United States

(Neither notarization nor legalization is required for this document)