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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

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

RECEIVING PARTY DATA

Name:	me: 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:	15676882

CORRESPONDENCE DATA

Fax Number: (877)769-7945

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (650) 839-5070

Email: apsi@fr.com

Correspondent Name: DAVID J. GOREN

Address Line 1: FISH & RICHARDSON P.C.

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Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER: 22558-0064003

NAME OF SUBMITTER: NANCY GRANT

SIGNATURE: /Nancy Grant/

DATE SIGNED: 11/15/2017

Total Attachments: 3

PATENT REEL: 044139 FRAME: 0929 source=22558-0064003Assignment#page1.tif source=22558-0064003Assignment#page2.tif source=22558-0064003Assignment#page3.tif

> PATENT REEL: 044139 FRAME: 0930

Case # 017403/AGS/22558-0064001

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

Rajkumar Alagarsamy	
1235 Wildwood Avenue, Apt. 392	
Sunnyvale, CA 94089	
Yongqi Hu	
49204 Park Terrace	
Fremont, CA 94539	
Simon Yavelberg	
10355 Plumtree Lane	
Cupertino, CA 95014	

Periya Gopalan	
417 Calero Ave	
San Jose, CA 95123	
Christopher R. Mahon	
652 Hensley Avenue	
San Bruno, CA 94066	

(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,

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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 WIT Assign	NESS WHEREOF, the said Assigno ee on the dates indicated below.	ors have executed and delivered this instrument to said
Date:	06 9 13	Kykuna. A.A.
	11 1	RAJKUMAR ALAGARSAMY
Date:	06/28/2013	2/15/1h
		YONGQI HU
Date:	6/17/2013	Juan Fare/ by
		SIMON YAVELBER
Date:	06/28/2013	P-Grom
	•	PERIYA GOPALAN
Date:	7/10/2013	_ Ch nL
		CHRISTOPHER R. MAHON

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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.

. 1 1.0		Raj Lina A.A.	Name in Chinese Characters (if applicable)
Date: 6 9 3	Signature:	Ilai wwa.	
ANNANARA AND AND AND AND AND AND AND AND AND AN	Name:	Rajkuman Alagarsamy	Account of the second of the s
	Address:	1235 Wildwood Avenue, Apt. 392	
		Sunnyvale, CA 94089	
	Nationality:	India	
Date: <u>06/18/13</u>	Signature: Name: Address:	Yongqi Hu 49204 Park Terrace	加和其
		Fremont, CA 94539	
	Nationality:	United States	
Date: 4/7//3	Signature: Name: Address:	Simon Yavelberg 10355 Plumtree Lane	
		Cupertino, CA 95014	
	Nationality:	United States	
Date: 06/28/13	Signature: Name: Address:	Periya Gopalan 417 Calero Ave San Jose, CA 95123	PROCESSION
	Nationality:	United States	
Date: 7/10/2013	·	Christopher R. Mahon 652 Hensley Avenue San Bruno, CA 94066	
	Nationality:	United States	
(Neither notarization nor legalization is required for this document)			

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