

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT4249297

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SIVAPACKIA GANAPATHIAPPAN	01/18/2017
BOYI FU	01/20/2017
ASHWIN CHOCKALINGAM	01/17/2017
DANIEL REDFIELD	01/18/2017
RAJEEV BAJAJ	01/17/2017
MAHENDRA C. ORILALL	01/18/2017
HOU T. NG	01/18/2017
JASON G. FUNG	01/17/2017
MAYU YAMAMURA	01/17/2017
RECEIVING PARTY DATA	
Name:	APPLIED MATERIALS, INC.
Street Address:	3050 BOWERS AVE
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95054
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15352647
CORRESPONDENCE DATA	
Fax Number:	(713)623-4846
<i>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.</i>	
Phone:	713-623-4844
Email:	psdocketing@pattersonsheridan.com, kneil@pattersonsheridan.com
Correspondent Name:	PATTERSON & SHERIDAN, LLP - - APPLIED MA
Address Line 1:	24 GREENWAY PLAZA, SUITE 1600
Address Line 4:	HOUSTON, TEXAS 77046
ATTORNEY DOCKET NUMBER:	APPM/23220USC01
NAME OF SUBMITTER:	JOSEPH J. STEVENS

SIGNATURE:	/Joseph J. Stevens/
DATE SIGNED:	01/30/2017
Total Attachments: 8 source=23220USC01 Assignment#page1.tif source=23220USC01 Assignment#page2.tif source=23220USC01 Assignment#page3.tif source=23220USC01 Assignment#page4.tif source=23220USC01 Assignment#page5.tif source=23220USC01 Assignment#page6.tif source=23220USC01 Assignment#page7.tif source=23220USC01 Assignment#page8.tif	

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	Sivapackia GANAPATHIAPPAN 161 E Portola Ave Los Altos, California 94022	2)	Boyi FU 1164 McKay Drive San Jose, California 95131
3)	Ashwin CHOCKALINGAM 320 Crescent Village Circle San Jose, California 95134	4)	Daniel REDFIELD 1445 Kelly Park Circle Morgan Hill, California 95037
5)	Rajeev BAJAJ 43651 Skye Road Fremont, California 94539	6)	Mahendra C. ORILALL 1700 Civic Center Dr. #602 Santa Clara, California 95050
7)	Hou T. NG 4068 Keith Drive Campbell, California 95008	8)	Jason G. FUNG 2050 Royal Dr Apt 43 Santa Clara, California 95050
9)	Mayu YAMAMURA 593 Cedar Street San Carlos, California 94070-2131	10)	

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

APPARATUS AND METHOD OF FORMING A POLISHING PADS BY USE OF AN ADDITIVE MANUFACTURING PROCESS

for which application for Letters Patent in the United States was filed on November 16, 2016, under Serial No. 15/352,647, 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 conventional, 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, conventional, 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 therefore 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>01-18-17</u> (DATE) | 
Sivapacka GANAPATHIAPPAN |
| 2) | _____ (DATE) | Boyi FU |
| 3) | _____ (DATE) | Ashwin CHOCKALINGAM |
| 4) | _____ (DATE) | Daniel REDFIELD |
| 5) | _____ (DATE) | Rajeev BAJAJ |
| 6) | _____ (DATE) | Mahendra C. ORILALL |
| 7) | <u>01-18-17</u> (DATE) | 
Hou T. NG |
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| 9) | _____ (DATE) | Mayu YAMAMURA |

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- 1) _____ (DATE) _____
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- 2) 01/20/2017 (DATE) _____
Boyi FU
- 3) _____ (DATE) _____
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- 4) _____ (DATE) _____
Daniel REDFIELD
- 5) _____ (DATE) _____
Rajeev BAJAJ
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