

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5204268

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YANG YANG	07/24/2018
ESWARANAND VENKATASUBRAMANIAN	07/30/2018
KARTIK RAMASWAMY	07/24/2018
KENNETH S. COLLINS	08/20/2018
STEVEN LANE	07/24/2018
GONZALO MONROY	07/24/2018
LUCY ZHIPING CHEN	07/30/2018
YUE GUO	07/24/2018
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:	16055974
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:	CRouly@pattersonsheridan.com, PSDocketing@pattersonsheridan.com
Correspondent Name:	PATTERSON & SHERIDAN, LLP
Address Line 1:	24 GREENWAY PLAZA, SUITE 1600
Address Line 4:	HOUSTON, TEXAS 77046
ATTORNEY DOCKET NUMBER:	APPM/025381US
NAME OF SUBMITTER:	KEITH TABOADA
SIGNATURE:	/Keith Taboada/

DATE SIGNED:	10/24/2018
Total Attachments: 2 source=025381US Executed US Assignment#page1.tif source=025381US Executed US Assignment#page2.tif	

Atty Dkt No.: 025381US01

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	Yang YANG 5775 Morehouse Drive San Diego, California 92121-1714	2)	Eswaranand VENKATASUBRAMANIAN 1721 Warburton Avenue, Apt 12 Santa Clara, California 95050
3)	Kartik RAMASWAMY 10020 Viewpoint Lane San Jose, California 95120	4)	Kenneth S. COLLINS 7214 Glenview Drive San Jose, California 95120
5)	Steven LANE 674 Chemeketa Drive San Jose, California 95123	6)	Gonzalo MONROY 3288 21st Street, #120 San Francisco, California 94110
7)	Lucy Zhiping CHEN 998 Brackett Way Santa Clara, California 95054	8)	Yue GUO 18 Pelican Ln Redwood City, California 94065

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

PLASMA DEPOSITION OF CARBON HARDMASK

enclosed 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,

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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) 7/24/2018 3:31:10 PM CDT
(DATE) DocuSigned by:
Yang Yang
20A04E5AF600487
Yang YANG
- 2) 7/30/2018 12:46:10 PM CDT
(DATE) DocuSigned by:
Eswaranand Venkatasubramanian
1E175B49A17340B
Eswaranand VENKATASUBRAMANIAN
- 3) 7/24/2018 2:05:35 PM CDT
(DATE) DocuSigned by:
Kartik Ramaswamy
9B184720228A44B...
Kartik RAMASWAMY
- 4) 8/20/2018 10:26:12 AM CDT
(DATE) DocuSigned by:
Kenneth S. Collins
1BCAE86C163046B
Kenneth S. COLLINS
- 5) 7/24/2018 2:29:48 PM CDT
(DATE) DocuSigned by:
Steven Lane
E15ED5D918C94AA...
Steven LANE
- 6) 7/24/2018 2:46:32 PM CDT
(DATE) DocuSigned by:
Gonzalo Monroy
29BA834415E3467
Gonzalo MONROY
- 7) 7/30/2018 11:51:38 AM CDT
(DATE) DocuSigned by:
Lucy Zhiping Chen
8CF68CE0886A4F3
Lucy Zhiping CHEN
- 8) 7/24/2018 3:38:53 PM CDT
(DATE) DocuSigned by:
Yue Guo
0A552BD3A398445
Yue GUO