

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT6118426

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TEJINDER SINGH	03/15/2019
SUKETU ARUN PARIKH	03/15/2019
DANIEL LEE DIEHL	03/15/2019
MICHAEL ANTHONY STOLFI	03/15/2019
JOTHILINGAM RAMALINGAM	03/15/2019
YONG CAO	03/15/2019
LIFAN YAN	03/15/2019
CHI-I LANG	03/18/2019
HOYUNG DAVID HWANG	03/18/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	APPLIED MATERIALS, INC.
<b>Street Address:</b>	3050 BOWERS AVENUE
<b>City:</b>	SANTA CLARA
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95054
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16800351
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(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>	
<b>Phone:</b>	7136234844
<b>Email:</b>	abrewster@pattersonsheridan.com, psdocketing@pattersonsheridan.com
<b>Correspondent Name:</b>	PATTERSON + SHERIDAN, LLP
<b>Address Line 1:</b>	24 GREENWAY PLAZA, SUITE 1600
<b>Address Line 4:</b>	HOUSTON, TEXAS 77046
<b>ATTORNEY DOCKET NUMBER:</b>	44016358US02
<b>NAME OF SUBMITTER:</b>	KEITH P. TABOADA

<b>SIGNATURE:</b>	/KEITH P. TABOADA/
<b>DATE SIGNED:</b>	05/21/2020
<b>Total Attachments: 3</b> source=44016358US02_ASG#page1.tif source=44016358US02_ASG#page2.tif source=44016358US02_ASG#page3.tif	

Atty Dkt No.: 44016358US01

**ASSIGNMENT FOR APPLICATION FOR PATENT**

WHEREAS:

Names and Addresses of Inventors:

1)	Tejinder SINGH 1670 Lincoln Avenue San Jose, California 95125	2)	Suketu Arun PARIKH 4624 Aviara Court San Jose, California 95135
3)	Daniel Lee DIEHL Isobe 2-18-12 Mihama-ku, Chiba 261-0012 JAPAN	4)	Michael Anthony STOLFI 18 Dennis Drive Clifton Park, New York 12065
5)	Jothilingam RAMALINGAM 655 S. Fair Oaks Ave., #K102 Sunnyvale, California 94086	6)	Yong CAO 5406 Duesenberg Drive San Jose, California 95123
7)	Lifan YAN 1013 Onofrio Lane #4 San Jose, California 95131	8)	Chi-I LANG 21950 Lindy Lane Cupertino, California 95041
9)	Hoyung David HWANG 10060 Phar Lap Drive Cupertino, California 95014		

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

**FILM STACK FOR LITHOGRAPHY APPLICATIONS**

for which application for Letters Patent in the United States was filed on February 25, 2019, under Serial No. 62/810,133, 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.

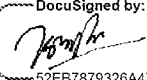
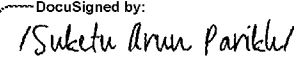
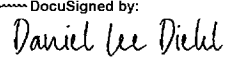
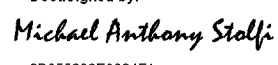

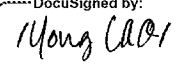
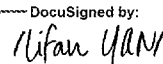
Atty Dkt No.: 44016358US01

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)	3/15/2019	(DATE)	<div>DocuSigned by:</div>  <div>52EB7879326A47B...</div> <div>Tejinder SINGH</div>
2)	3/15/2019	(DATE)	<div>DocuSigned by:</div>  <div>FD051E5DB11D4BC...</div> <div>Suketu Arun PARIKH</div>
3)	3/15/2019	(DATE)	<div>DocuSigned by:</div>  <div>34AC8F9F70B647F...</div> <div>Daniel Lee DIEHL</div>
4)	3/15/2019	(DATE)	<div>DocuSigned by:</div>  <div>2B055622E0324F1...</div> <div>Michael Anthony STOLFI</div>
5)	3/15/2019	(DATE)	<div>DocuSigned by:</div>  <div>1035FEDB56964D8...</div> <div>Jothilingam RAMALINGAM</div>
6)	3/15/2019	(DATE)	<div>DocuSigned by:</div>  <div>50D27BF52D4D4B7...</div> <div>Yong CAO</div>
7)	3/15/2019	(DATE)	<div>DocuSigned by:</div>  <div>83F452F9B3F04D2...</div> <div>Lifan YAN</div>

**Atty Dkt No.:** 44016358US01

8) 3/18/2019  
\_\_\_\_\_(DATE)

DocuSigned by:  
*/Chi-I LANG/*  
2E89D07627C6481...

Chi-I LANG

9) 3/18/2019  
\_\_\_\_\_(DATE)

DocuSigned by:  
*/Hoyung David HWANG/*  
85D1B111AB0643D...

Hoyung David HWANG