

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5862548

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TIEN FAK TAN	05/27/2016
LOK KEE LOH	05/27/2016
DMITRY LUBOMIRSKY	06/01/2016
SOONWOOK JUNG	06/01/2016
MARTIN YUE CHOY	06/01/2016
SOONAM PARK	05/31/2016
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:	16707379
CORRESPONDENCE DATA	
Fax Number:	(303)571-4321
<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:	303-571-4000
Email:	sbuta@kilpatricktownsend.com
Correspondent Name:	KILPATRICK TOWNSEND & STOCKTON LLP/AMAT
Address Line 1:	1100 PEACHTREE STREET
Address Line 2:	SUITE 2800
Address Line 4:	ATLANTA, GEORGIA 30309
ATTORNEY DOCKET NUMBER:	80042-023956U1CON-1163139
NAME OF SUBMITTER:	SARAH BUTA
SIGNATURE:	/Sarah Buta/
DATE SIGNED:	12/11/2019

Total Attachments: 2

source=1163139_Assignment#page1.tif

source=1163139_Assignment#page2.tif

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

1)	Tien Fak Tan 885 S. San Tomas Aquino Rd. Campbell, CA 95008	2)	Lok Kee Loh 1739 26th Ave. <i>137 Adairton Ave</i> San Francisco, CA 94122 <i>San Francisco, CA 94112</i> <i>LKL</i>
3)	Dmitry Lubomirsky 862 Bette Ave. Cupertino, CA 95014	4)	Soonwook Jung 698 Towle Way, Apt. 16 <i>3371 NAPOLI TER,</i> Palo Alto, CA 94306 <i>SAN JOSE, CA 95134</i> <i>JSW</i>
5)	Martin Yue Choy 208 Sunshine Drive <i>3071 Bernard Ave</i> Pacific, CA 94044 <i>San Ramon CA 94583</i> <i>MC</i>	6)	Soonam Park 935 La Mesa Terrace, Unit 1 Sunnyvale, CA 94086

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

**SYSTEMS AND METHODS FOR IMPROVED SEMICONDUCTOR ETCHING AND
COMPONENT PROTECTION**

for which application for Letters Patent in the United States was filed on May 19, 2016, under
Application No. 15/159,530, 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:


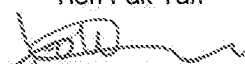
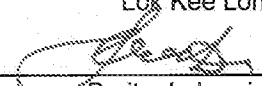

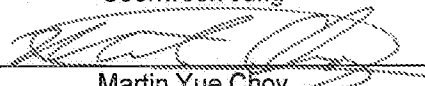
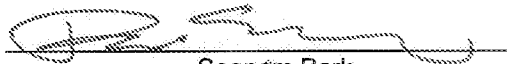
1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and
exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to
apply for patents on said Invention in any and all countries pursuant to the International Convention 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 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, 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>27th May</u> , 2016	 Tien Fak Tan
2) <u>5/27/16</u> , 2016	 Lok Kee Loh
3) <u>6/1/2016</u> , 2016	 Dmitry Lubomirsky
4) <u>6/1/2016</u> , 2016	 Soonwook Jung
5) <u>6/1/2016</u> , 2016	 Martin Yue Choy
6) <u>5/31/16</u> , 2016	 Soonam Park