

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT6323902

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TODD EGAN	04/09/2019
MEHDI VAEZ-IRAVANI	04/10/2019
SAMER BANNA	05/10/2019
KYLE TANTIWONG	04/09/2019
GREGORY KIRK	04/09/2019
ABRAHAM RAVID	04/17/2019
YAOMING SHEN	09/17/2020
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:	16080075
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:	7136234844
Email:	kneil@pattersonsheridan.com, psdocketing@pattersonsheridan.com
Correspondent Name:	PATTERSON & SHERIDAN, LLP - - APPLIED MA
Address Line 1:	24 GREENWAY PLAZA
Address Line 2:	SUITE 1600
Address Line 4:	HOUSTON, TEXAS 77046
ATTORNEY DOCKET NUMBER:	23589US
NAME OF SUBMITTER:	JOSEPH J. STEVENS
SIGNATURE:	/Joseph J. Stevens/
DATE SIGNED:	09/29/2020

PATENT

Total Attachments: 4

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Atty Dkt No.: 023589US01

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	Todd EGAN 145 Hillview Drive Fremont, California 94536	2)	Mehdi VAEZ-IRAVANI 23484 Summit Road Los Gatos, California 95033
3)	Samer BANNA 6135 Paso Los Cerritos San Jose, California 95120	4)	Kyle TANTIWONG 266 Sonia Way Livermore, California 94550
5)	Gregory KIRK 1072 Riesling Drive Pleasanton, California 94566	6)	Abraham RAVID 5974 Vista Loop San Jose, California 95124
7)	Yaoming SHEN 375 Louise Ct. Milpitas, California 95035		

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

PARTICLE DETECTION FOR SUBSTRATE PROCESSING

for which application for Letters Patent in the United States was filed on May 23, 2017, under Serial No. 16/080,075, 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

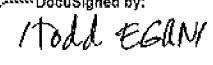

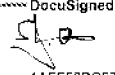
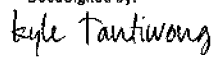
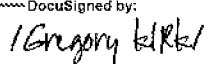
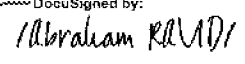
Atty Dkt No.: 023589US01

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)	4/9/2019 _____ (DATE)	DocuSigned by:  7CE28G7A3CEE4D8... Todd EGAN
2)	4/10/2019 _____ (DATE)	DocuSigned by:  3B2FD35EE0A4433... Mehdi VAEZ-IRAVANI
3)	5/10/2019 _____ (DATE)	DocuSigned by:  1AFF68BC87C3434... Samer BANNA
4)	4/9/2019 _____ (DATE)	DocuSigned by:  5C066CB719564A9... Kyle TANTIWONG
5)	4/9/2019 _____ (DATE)	DocuSigned by:  E9D1625680354E7... Gregory KIRK
6)	4/17/2019 _____ (DATE)	DocuSigned by:  E9F6C7F489734EE... Abraham RAVID
7)	_____ (DATE)	_____ Yaoming SHEN

Atty Dkt No.: 023589US01

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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


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		Kyle TANTIWONG
5)	_____ (DATE)	_____
		Gregory KIRK
6)	_____ (DATE)	_____
		Abraham RAVID
7)	9/17/2020 _____ (DATE)	_____
		<div style="border: 1px solid black; padding: 2px; display: inline-block;"> <small>DocuSigned by:</small>  <small>18C76FFB4F834A8...</small> </div> Yaoming SHEN