

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5395260

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JIANG LU	01/09/2019
PAUL MA	01/26/2019
NOBUYUKI SASAKI	01/15/2019
SREE RANGASAI V. KESAPRAGADA	01/09/2019
SANG HO YU	01/08/2019
MEI CHANG	01/10/2019
JING ZHOU	01/22/2019
FUQUN GRACE VASIKNANONTE	01/09/2019
JACQUELINE S. WRENCH	01/09/2019
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:	15995693
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Email:	lmurphy@dsiplaw.com
Correspondent Name:	SERVILLA WHITNEY LLC
Address Line 1:	33 WOOD AVENUE SOUTH
Address Line 2:	SUITE 830
Address Line 4:	ISELIN, NEW JERSEY 08830
ATTORNEY DOCKET NUMBER:	025273US01
NAME OF SUBMITTER:	JEFFREY I. BLANKMAN

SIGNATURE:	/Jeffrey I. Blankman, Reg. #57826/
DATE SIGNED:	02/27/2019
Total Attachments: 5 source=00794405#page1.tif source=00794405#page2.tif source=00794405#page3.tif source=00794405#page4.tif source=00794405#page5.tif	

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors

1)	Jiang Lu 968 Matterhorn Court Milpitas, CA, 95035 United States of America
2)	Paul F. Ma 3041 Bruneridge Ave. <i>9635 N 106th Way</i> Santa Clara, CA, 95054 <i>Scottsdale AZ</i> United States of America <i>85250</i>
3)	Nobuyuki Sasaki 2147 Newhall St APT#321 Santa Clara, CA, 95050 United States of America
4)	Sree Rangasai V. Kesapragada 5173 Rose Way Union City, CA, 94587 United States of America
5)	Sang Ho Yu 11676 Palm Spring Ct. Cupertino, CA, 95014 United States of America

6)	Mei Chang 12881 Corte De Arguello Saratoga, CA, 95070 United States of America
7)	Jing Zhou 1484 Crosley Ct. San Jose, CA, 95132 United States of America
8)	Fuqun Grace Vasiknanonte 653 E Olive Ave, Apt 1 Sunnyvale, CA, 94086 United States of America
9)	Jacqueline S. Wrench 3473 N 1st St, Apt 218 San Jose, CA, 95134 United States of America

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

"Deposition Of Cobalt Films With High Deposition Rate"

for which application for Letters Patent in the United States was filed on June 1, 2018,

under Serial No. 15995693, 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, CA, 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 the Application), and the invention disclosed therein (hereinafter referred to as the 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 the 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 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) Jan. 09, 2019

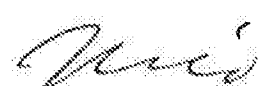


(INVENTOR) Jiang Lu

2) _____, 2019

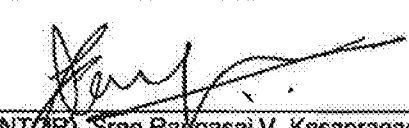
(INVENTOR) Paul F. Ma

3) 01/15, 2019



(INVENTOR) Nobuyuki Sasaki

4) 01, 09, 2019



(INVENTOR) Sree Rangasai V. Kesapragada

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 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.

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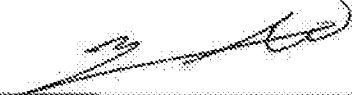

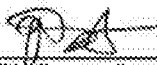
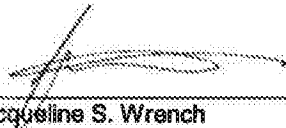
IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1) _____, 2019 _____
(INVENTOR) Jiang Lu

2) 1/26, 2019 _____
(INVENTOR) Paul F. Ma

3) _____, 2019 _____
(INVENTOR) Nobuyuki Sasaki

4) _____, 2019 _____
(INVENTOR) Sree Rangasai V. Kesapragada

- 5) 01/08, 2019 
(INVENTOR) Sang Ho Yu
- 6) 1/10, 2019 
(INVENTOR) Mei Chang
- 7) _____, 2019 _____
(INVENTOR) Jing Zhou
- 8) 01/09, 2019 
(INVENTOR) Fuqun Grace Vasiknanonte
- 9) 01/09, 2019 
(INVENTOR) Jacqueline S. Wrench

5) _____, 2019

(INVENTOR) Sang Ho Yu

6) _____, 2019

(INVENTOR) Mei Chang

7) 01/22, 2019


(INVENTOR) Jing Zhou

8) _____, 2019

(INVENTOR) Fuqun Grace Vasiknanonte

9) _____, 2019

(INVENTOR) Jacqueline S. Wrench