

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6797877

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TOM HO WING YU	07/02/2021
NOBUYUKI SASAKI	07/02/2021
JIANXIN LEI	07/02/2021
WENTING HOU	07/02/2021
RONGJUN WANG	07/02/2021
TZA-JING GUNG	07/02/2021
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:	17351223
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:	44019900US01
NAME OF SUBMITTER:	JEFFREY I. BLANKMAN
SIGNATURE:	/Jeffrey I. Blankman, Reg. #57826/
DATE SIGNED:	07/06/2021
Total Attachments: 3	

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Attorney Docket No. 44019900US01

ASSIGNMENT FOR APPLICATION FOR PATENT**WHEREAS:**

Names and Addresses of Inventors

1)	Tom Ho Wing Yu 1546 Adrien Drive Campbell, CA 95008 United States of America
2)	Nobuyuki Sasaki 10146 Carmen Road Cupertino, CA 95014 United States of America
3)	Jianxin Lei 215 Quinault Way Fremont, CA 94539 United States of America
4)	Wenting Hou 3226 Vintage Crest Dr San Jose, CA 95148 United States of America

5)	Rongjun Wang 5139 Hinsdale Court Dublin, CA 94568 United States of America
6)	Tza-Jing Gung 933 Sunbonnet Loop San Jose, CA 95125 United States of America

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

"Silicon-Containing Layer for Bit Line Resistance Reduction"

for which application for Letters Patent in the United States was filed on June 17, 2021,

under Serial No. 17351223, 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

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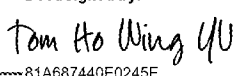
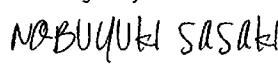
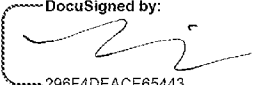
apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, 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)	<u>7/2/2021</u>	, 2021	/	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> <small>DocuSigned by:</small>  <small>81A687440E0245E</small> </div>	/
				(INVENTOR) Tom Ho Wing Yu	
2)	<u>7/2/2021</u>	, 2021	/	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> <small>DocuSigned by:</small>  <small>0612A840539E44E</small> </div>	/
				(INVENTOR) Nobuyuki Sasaki	
3)	<u>7/2/2021</u>	, 2021	/	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> <small>DocuSigned by:</small>  <small>296F4DEACE65443</small> </div>	/
				(INVENTOR) Jianxin Lei	

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4) 7/2/2021, 2021 / Wenting Hou
(INVENTOR) Wenting Hou

5) 7/2/2021, 2021 / Rongjun Wang
(INVENTOR) Rongjun Wang

6) 7/2/2021, 2021 / Tza-Jing Gung
(INVENTOR) Tza-Jing Gung