

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7017523

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	PRIYADARSHI PANDA	02/28/2020
	SESHADRI GANGULI	02/28/2020
	SANG HO YU	03/02/2020
	SUNG-KWAN KANG	02/28/2020
	GILL YONG LEE	03/01/2020
	SANJAY NATARAJAN	02/28/2020
	RAJIB LOCHAN SWAIN	02/28/2020
	JORGE PABLO FERNANDEZ	02/28/2020
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:	17522448	
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:	44016523US03CON	
NAME OF SUBMITTER:	JONATHAN B. WRIGHT	
SIGNATURE:	/Jonathan B. Wright, Reg. #72662/	

DATE SIGNED:	11/10/2021
Total Attachments: 3 source=01055850#page1.tif source=01055850#page2.tif source=01055850#page3.tif	

Attorney Docket No. 44016523US02

ASSIGNMENT FOR APPLICATION FOR PATENT**WHEREAS:**

Names and Addresses of Inventors

1)	Priyadarshi Panda 37984 Luma Terrace Newark, CA 94560 United States of America
2)	Seshadri Ganguli 980 Belmont Terrace #6 Sunnyvale, CA 94086 United States of America
3)	Sang Ho Yu 11676 Palm Spring Ct. Cupertino, CA 95014 United States of America
4)	Sung-Kwan Kang 15048 Esther Dr. San Jose, CA 95124 United States of America
5)	Gill Yong Lee 661 Fenley Ave San Jose, CA 95117 United States of America

6)	Sanjay Natarajan 922 NW 11th Ave #909 Portland, OR 97209 United States of America
7)	Rajib Lochan Swain 1035 Aster Avenue, Apt 1164 Sunnyvale, CA 94086 United States of America
8)	Jorge Pablo Fernandez 12211 Woodside Dr Saratoga, CA 95070 United States of America

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

"Gap Fill Methods for DRAM"

for which application for Letters Patent in the United States was filed on Feb 28, 2020,

under Serial No. 16804226, 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.

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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.

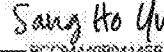
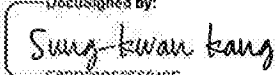
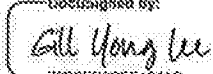
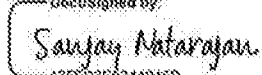
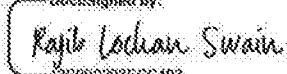
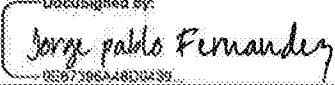
4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

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

1) 2/28/2020, 2020 / PRIYADARSHI PANDA /
(INVENTOR) Priyadarshi Panda

2) 2/28/2020, 2020 / Seshadri Ganguli /
(INVENTOR) Seshadri Ganguli

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- 3) 3/2/2020, 2020 / 
(INVENTOR) Sang Ho Yu
- 4) 2/28/2020, 2020 / 
(INVENTOR) Sung-Kwan Kang
- 5) 3/1/2020, 2020 / 
(INVENTOR) Gill Yong Lee
- 6) 2/28/2020, 2020 / 
(INVENTOR) Sanjay Natarajan
- 7) 2/28/2020, 2020 / 
(INVENTOR) Rajib Lochan Swain
- 8) 2/28/2020, 2020 / 
(INVENTOR) Jorge Pablo Fernandez