506129240 06/29/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6175966

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MIN-HSIU HUNG	04/19/2018
YI-HSIANG CHAO	04/19/2018
KUAN-YU YEH	04/19/2018
KAN-JU LIN	04/19/2018
CHUN-WEN NIEH	04/19/2018
HUANG-YI HUANG	04/19/2018
CHIH-WEI CHANG	04/19/2018
CHING-HWANQ SU	04/19/2018

RECEIVING PARTY DATA

Name:	TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD
Street Address:	NO. 8, LI-HSIN RD. 6, HSINCHU SCIENCE PARK
City:	HSINCHU
State/Country:	TAIWAN
Postal Code:	300-78

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16914638

CORRESPONDENCE DATA

Fax Number: (404)521-4286

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.

Phone: 678-483-8899

Email: dan.mcclure@mqrlaw.com

Correspondent Name: MCCLURE, QUALEY & RODACK, LLP Address Line 1: 280 INTERSTATE NORTH CIRCLE SE

Address Line 2: SUITE 550

Address Line 4: ATLANTA, GEORGIA 30339

ATTORNEY DOCKET NUMBER:	252011-7271
NAME OF SUBMITTER:	DANIEL R. MCCLURE
SIGNATURE:	/Daniel R. McClure/

506129240 PATENT REEL: 053071 FRAME: 0280

DATE SIGNED:	06/29/2020
Total Attachments: 2	
source=00803154#page1.tif	
source=00803154#page2.tif	

PATENT REEL: 053071 FRAME: 0281

ASSIGNMENT

WHEREAS, Min-Hsiu HUNG, Yi-Hsiang CHAO, Kuan-Yu YEH, Kan-Ju LIN, Chun-Wen NIEH, Huang-Yi HUANG, Chih-Wei CHANG and Ching-Hwang SU

Here after referred to as ASSIGNOR, has/have invented certain new and useful improvements as described and set forth in the below identified application for United States Letters Patent:

Title: SEMICONDUCTOR DEVICE WITH LOW RESISTIVITY CONTACT STRUCTURE AND METHOD FOR FORMING THE SAME

Filed:	2018-04-27	Serial No.	15/964,352	
Execut	*			

WHEREAS, <u>Taiwan Semiconductor Manufacturing Co., Ltd.</u>, of <u>No. 8, Li-Hsin Rd. 6, Hsinchu Science Park, Hsinchu 300-78, Taiwan R.O.C.</u>, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their rights, title and interest in and to the said invention and application and all future improvements thereon, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees/agree that he/she/they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the date(s) indicated.

P20172499US00/0503-B32737-US

PATENT REEL: 053071 FRAME: 0282

ASSIGNMENT

2018.4.19	Name: Min-Hsiu HUNG
Date	Name: Min-Hsiu HUNG
<u> </u>	Name: Yi-Hsiang CHAO
プロロ	Name: Kuan-Yu YEH
2018 4/19 Date	Value: Kan-Ju LIN
2018-04-19 Date	Chan wen Nich Name: Chun-Wen NIEH
2017 - 64 - 19 Date	Name: Huang-Yi HUANG
50/8-04-19 Date	Name: Chih-Wei CHANG
	Name: Ching-Huyang SII