

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHIH-FAN HUANG	10/12/2017
CHIH-YANG PAI	10/12/2017
YUAN-YANG HSIAO	10/12/2017
TSUNG-CHIEH HSIAO	10/12/2017
HUI-CHI CHEN	10/12/2017
DIAN-HAU CHEN	10/12/2017
YEN-MING CHEN	10/12/2017
RECEIVING PARTY DATA	
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State/Country:	TAIWAN
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16593078
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NAME OF SUBMITTER:	DANIEL R. MCCLURE
SIGNATURE:	/Daniel R. McClure/
DATE SIGNED:	10/04/2019

PATENT

Total Attachments: 2

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ASSIGNMENT

WHEREAS, Chih-Fan HUANG, Chih-Yang PAI, Yuan-Yang HSIAO, Tsung-Chieh HSIAO, Hui-Chi CHEN, Dian-Hau CHEN, and Yen-Ming CHEN

hereafter 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: **METAL-INSULATOR-METAL (MIM) CAPACITOR STRUCTURE AND METHOD FOR FORMING THE SAME**

Filed: _____ Serial No. _____

Executed on: _____

WHEREAS, Taiwan Semiconductor Manufacturing Co., Ltd., of No. 8, Li-Hsin Rd. 6, Hsinchu Science Park, Hsinchu 300-78, Taiwan R.O.C., 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.

ASSIGNMENT

2017-10-12

Date

Chih-Fan Huang

Name: Chih-Fan HUANG

2017-10-12

Date

Chih-Yang PAI

Name: Chih-Yang PAI

2017-10-12

Date

Yuan-Yang Hsiao

Name: Yuan-Yang HSIAO

2017-10-12

Date

Tsung-Chieh Hsiao

Name: Tsung-Chieh HSIAO

2017/10/12

Date

Hui-Chi Chen

Name: Hui-Chi CHEN

2017/10/12

Date

Dian-Hau Chen

Name: Dian-Hau CHEN

2017/10/12

Date

Yen-Ming Chen

Name: Yen-Ming CHEN