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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SAI-HOOI YEONG	01/17/2019
CHI-ON CHUI	01/17/2019
BO-FENG YOUNG	01/17/2019
BO-YU LAI	01/17/2019
KUAN-LUN CHENG	01/17/2019
CHIH-HAO WANG	01/17/2019

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16258408	

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ATTORNEY DOCKET NUMBER:	0941-3862PUS2	
NAME OF SUBMITTER:	ANH-VU DAO	
SIGNATURE:	/anh-vu dao/	
DATE SIGNED:	01/28/2019	

Total Attachments: 2

PATENT REEL: 048161 FRAME: 0085

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> PATENT REEL: 048161 FRAME: 0086

ASSIGNMENT

WHEREAS, Sai-Hooi YEONG, Chi-On CHUI, Bo-Feng YOUNG, Bo-Yu LAI, Kuan-Lun CHENG and Chih-Hao WANG

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: FIN FIELD EFFECT TRANSISTOR (FINFET) DEVICE STRUCTURE AND METHOD FOR FORMING THE SAME

A LANGUE,	25, 2019	Serial No.	16/258,408
Executed on:	January 17, 2019		

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.

ASSIGNMENT

Date Name: Bo-Feng YOUNG

2019/1/17 Kuan-du Cheng Date Name: Kuan-Lun CHENG

2019/1/11 Chih-Hao Wand

Date

Name: Chih-Hao WANG

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