504739496 01/22/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KAI-HSUAN LEE	01/05/2018
BO-YU LAI	01/05/2018
CHI-ON CHUI	01/05/2018
CHENG-YU YANG	01/05/2018
YEN-TING CHEN	01/05/2018
SAI-HOOI YEONG	01/05/2018
FENG-CHENG YANG	01/05/2018
YEN-MING CHEN	01/05/2018

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:	15875485

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	0941-3684PUS2	
NAME OF SUBMITTER:	TUYET ANH NGUYEN	
SIGNATURE:	/TUYET ANH NGUYEN/	

PATENT REEL: 044687 FRAME: 0235

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 DATE SIGNED:
 01/19/2018

 Total Attachments: 2
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PATENT REEL: 044687 FRAME: 0236

Attorney Docket No.: 0941-3684PUS2

ASSIGNMENT

WHEREAS, Kai-Hsuan LEE, Bo-Yu LAI, Chi-On CHUI, Cheng-Yu YANG, Yen-Ting CHEN, Sai-Hooi YEONG, Feng-Cheng YANG, 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: SEMICONDUCTOR STRUCTURE AND METHOD FOR FORMING THE SAME

Filed: January 19, 2018 Serial No. 15/875,485

Executed on: January 5, 2018

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

Jo18/11/5	Lai Honom Lee 3 En 1
<u> </u>	Name: Kai-Hsuan LEE
<u>2018 / 1 / 5</u> Date	
1 - 1	And in
2018/95- Date	
Date '	Name: Chi-On CHUI
2018 1.5	Cheng In Tany
2018_1,5 Date	Cheng Tu Tany Name: Cheng-Yu YANG
2018.1.5	Name: Yen-Ting CHEN
20 8 1 / 5 Date	Name: Sai-Hooi / EONG
Date	
2018.1.5 Date	Teng-Cheng Jenig Name: Feng-Cheng YANO
Date	Name: Feng-Cheng YANG //
2018.1.5 Date	Name: Yen-Ming CHEN
Date	Name: Yen-Ming CHEN