## 504535221 09/06/2017

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
FENG-CHING CHU	08/18/2017
WEI-YANG LEE	08/10/2017
FENG-CHENG YANG	08/10/2017
YEN-MING CHEN	08/10/2017

## **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:	15692471

### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	0941-3609PUS1
NAME OF SUBMITTER:	ANALIZA STEPINA
SIGNATURE:	/analiza stepina/
DATE SIGNED:	09/06/2017

**Total Attachments: 2** 

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PATENT 504535221 REEL: 043509 FRAME: 0303

Attorney Docket No.: 0941-3609PUS1

#### ASSIGNMENT

WHEREAS, Feng-Ching CHU, Wei-Yang LEE, 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: S	SEMICONDUCTOR DEVICE	STRUCTURE V	WITH	CAP LAYER	AND	METHOD
FOR F	ORMING THE SAME					
Filed:	31-AUGUST-2017	Serial No.	15/6	92,471		
Execut	ed on:					

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.

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# **ASSIGNMENT**

2017,816	Frey-Cory Chy
Date	Name: Feng-Ching CHU
>017.08.10	Wei-yang See
Date	Name: Wei-Yang LEE
2017, 8,1° Date	Jang-Chang Yang Name: Feng-Cheng YANG
8/0 17	Ven-Mony Chen.
Date	Name: Yen-Ming CHEN

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**RECORDED: 09/06/2017** 

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**PATENT REEL: 043509 FRAME: 0305**