### 505487631 05/22/2019

### PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
SHENG-FENG WENG	04/26/2019
CHING-HUA HSIEH	04/25/2019
CHUNG-SHI LIU	04/25/2019
CHIH-WEI LIN	04/25/2019
SHENG-HSIANG CHIU	04/25/2019
YAO-TONG LAI	04/29/2019
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### **RECEIVING PARTY DATA**

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### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16398164

### **CORRESPONDENCE DATA**

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NAME OF SUBMITTER:	BELINDA LEE
SIGNATURE:	/Belinda Lee/
DATE SIGNED:	05/22/2019

PATENT REEL: 049249 FRAME: 0158

## Total Attachments: 4

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PATENT REEL: 049249 FRAME: 0159

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## DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION

$\boxtimes$ [	Declaration Submitted With Initial Filing		
OR			
	Declaration Submitted After Initial Filing (surcharge 37 CFR 1.16(f) required)		
	(Title of the Invention)		
	MICONDUCTOR DEVICE AND MOLDED SEMICONDUCTOR DEVICE		
As a below named inventor (hereinafter designated as the undersigned), I hereby			
decla	are that:		
This	declaration is directed to:		
$\boxtimes$	The attached application,		
OR			
	United States Application Number or PCT International application number		
-	Filed on		

The above-identified application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

The undersigned hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

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## DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION

WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified.

WHEREAS, 1. Taiwan Semiconductor Manufacturing Co., Ltd.

of No.8, Li-Hsin Rd. 6, Hsinchu Science Park, Hsinchu, Taiwan 300-78, R.O.C.

hereinafter referred to as ASSIGNEE, is desirous of acquiring the undersigned'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 the undersigned, the undersigned 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 rights, title and interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said the undersigned 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.

The undersigned 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.

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# DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION

Signature: Sheng - Feng (N) eng Date: 70 19 14 1/2.  Legal Name of Sole or First Inventor: Sheng-Feng Weng
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Signature: Chih Wei Lin Date: Z019/04/25
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## DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION

Signature:	(as-Tong	Lai	Date:_	2019/04/29		
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Signature:	hia-Min Lin		Date:_	2019/04/26		
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