PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHIA-LUN CHEN	04/10/2018
PO-JEN SHIH	04/10/2018
MING-SUNG HUNG	04/10/2018
WEN-HUNG HSU	04/10/2018

RECEIVING PARTY DATA

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City:	HSINCHU
State/Country:	TAIWAN
Postal Code:	300-78

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15706959

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	252011-6850
NAME OF SUBMITTER:	DANIEL R. MCCLURE
SIGNATURE:	/Daniel R. McClure/
DATE SIGNED:	04/25/2018

Total Attachments: 2

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PATENT 504884609 REEL: 045630 FRAME: 0347

ASSIGNMENT



WHEREAS, Chia-Lun CHEN, Po-Jen SHIH, Ming-Sung HUNG, and Wen-Hung HSU 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 WAFER CL		ATUS	
Filed: 2017-09-18	Serial No.	15/706,959	
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.

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ASSIGNMENT

~18/4/10	dia Im Chan
Date	Name: Chia-Lun CHEN
20/8/4/10	Ro-Jan Krih
Date	Name: Po-Jen SHIH
2018/4/10	Ming-Sung HUNG
Date	Name: Ming-Sung HUNG
Zo18/4/10	Wen-Hung Usa
Date	Name: Wen-Hung HSU

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RECORDED: 04/25/2018

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