

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHENG-TSUNG WU	08/12/2015
PO-HSIUNG LEU	08/12/2015
DING-I LIU	08/12/2015
SI-WEN LIAO	08/12/2015
HSIANG-SHENG KUNG	08/12/2015
RECEIVING PARTY DATA	
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Internal Address:	SCIENCE-BASED INDUSTRIAL PARK
City:	HSIN-CHU
State/Country:	TAIWAN
Postal Code:	300-77
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16548009
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NAME OF SUBMITTER:	JANIE MARTINEZ-HOLM
SIGNATURE:	/Janie Martinez-Holm/
DATE SIGNED:	08/22/2019

Total Attachments: 2

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ASSIGNMENT

WHEREAS, Cheng-Tsung WU, Po-Hsiung LEU, Ding-I LIU, Si-Wen LIAO, and Hsiang-Sheng KUNG 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: METHOD AND SYSTEM FOR CONTROLLING PLASMA IN SEMICONDUCTOR FABRICATION

Filed: _____ Serial No. _____

Executed on: _____

WHEREAS, Taiwan Semiconductor Manufacturing Co., Ltd. of No.8, Li-Hsin Road. 6, Science-Based Industrial Park, Hsin-Chu, Taiwan 300-77, 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

8/12/2015 Cheng-Tsung Wu
Date Name: Cheng-Tsung WU (Last name: WU)

8/12/2015 Po-Hsiung Leu
Date Name: Po-Hsiung LEU (Last name: LEU)

8/12/2015 Ding-I Liu
Date Name: Ding-I LIU (Last name: LIU)

8/12/2015 Si-Wen Liao
Date Name: Si-Wen LIAO (Last name: LIAO)

8/12/2015 Hsiang-Sheng KUNG
Date Name: Hsiang-Sheng KUNG (Last name: KUNG)