

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3529384

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	
Name:	TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.
Street Address:	NO. 8, LI-HSIN ROAD 6, SCIENCE-BASED INDUSTRIAL PARK
City:	HSIN-CHU
State/Country:	TAIWAN
Postal Code:	300-77
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14836574
CORRESPONDENCE DATA	
Fax Number:	(703)205-8050
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	703-205-8000
Email:	mandrews@bskb.com, mailroom@bskb.com
Correspondent Name:	BIRCH, STEWART, KOLASCH & BIRCH, LLP
Address Line 1:	8110 GATEHOUSE ROAD
Address Line 2:	SUITE 100E
Address Line 4:	FALLS CHURCH, VIRGINIA 22040
ATTORNEY DOCKET NUMBER:	0941-3176PUS2
NAME OF SUBMITTER:	MAKIKO ANDREWS
SIGNATURE:	/Makiko Andrews/
DATE SIGNED:	09/16/2015
This document serves as an Oath/Declaration (37 CFR 1.63).	

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)