

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3162426

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CHIEH-SHUO LIANG	11/27/2014
CHIH-HO TAI	11/27/2014
CHING-HUNG HUANG	11/27/2014
YING-TSANG HO	11/27/2014
PO-JUNG CHIANG	11/27/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.
<b>Street Address:</b>	NO.8, LI-HSIN ROAD. 6
<b>Internal Address:</b>	SCIENCE-BASED INDUSTRIAL PARK
<b>City:</b>	HSIN-CHU
<b>State/Country:</b>	TAIWAN
<b>Postal Code:</b>	300-77
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14338042
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(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>	
<b>Phone:</b>	703-205-8000
<b>Email:</b>	kara.e.crestwell@bskb.com, mailroom@bskb.com
<b>Correspondent Name:</b>	BIRCH, STEWART, KOLASH & BIRCH, LLP
<b>Address Line 1:</b>	P.O. BOX 747
<b>Address Line 4:</b>	FALLS CHURCH, VIRGINIA 22040-0747
<b>ATTORNEY DOCKET NUMBER:</b>	0941-2878PUS2
<b>NAME OF SUBMITTER:</b>	KARA E CRESTWELL
<b>SIGNATURE:</b>	/kara e crestwell/
<b>DATE SIGNED:</b>	12/24/2014
<b>Total Attachments: 2</b>	
source=2015_01_07_ASSIGNMENT_0941-2878PUS2#page1.tif	

PATENT



## ASSIGNMENT

WHEREAS, Chieh-Shuo LIANG, Chih-Ho TAI, Ching-Hung HUANG, Ying-Tsang HO, and Po-Jung CHIANG

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: **METAL-INSULATOR-METAL (MIM) CAPACITOR STRUCTURE AND METHOD FOR FORMING THE SAME**

Filed: July 22, 2014 Serial No. 14/338, 042

Executed on: November 27, 2014

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 ASSIGNEES, 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

2014. 11. 27      Chieh-Shuo LIANG.  
 Date      Name: Chieh-Shuo LIANG      (Last name: LIANG)

2014. 11. 27      Chih-Ho TAI  
 Date      Name: Chih-Ho TAI      (Last name: TAI)

2014. 11. 27      Ching-Hung Huang  
 Date      Name: Ching-Hung HUANG      (Last name: HUANG)

2014. 11. 27      Ying-Tsang Ho.  
 Date      Name: Ying-Tsang HO      (Last name: HO)

2014. 11. 27      Po-Jung Chiang  
 Date      Name: Po-Jung CHIANG      (Last name: CHIANG)