# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
Hsin-Ting Huang	08/11/2011
Jung-Huei Peng	08/11/2011
Shang-Ying Tsai	08/11/2011
Yao-Te Huang	08/11/2011
Ming-Tung Wu	08/11/2011
Ping-Yin Liu	08/11/2011
Xin-Hua Huang	08/11/2011
Yuan-Chih Hsieh	08/11/2011

#### **RECEIVING PARTY DATA**

Name:	Taiwan Semiconductor Manufacturing Company, Ltd.		
Street Address:	No. 8, Li-Hsin Rd. 6		
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:	13206014

### **CORRESPONDENCE DATA**

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Address Line 4: Dallas, TEXAS 75219	
ATTORNEY DOCKET NUMBER:	24061.1889/2011-0451
NAME OF SUBMITTER:	David M. O'Dell
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PATENT REEL: 027109 FRAME: 0774

Docket No.: 2011-0451 / 24061,1889

Customer No.: 42717

#### ASSIGNMENT

### WHEREAS, I

(1)	Hsin-Ting Huang	of	No.4, Xiwei, Neighborhood 2, Bailu Vil Bade City, Taoyuan County 33455, Taiwan (R.O.C.)
(2)	Jung-Huei Peng	of	7F-1, No.6, Zihciang 6th St, Jhubei City, Hsinchu Hsien, Taiwan, (R.O.C.)
(3)	Shang-Ying Tsai	of	No.110, Longjiang Rd. Pingzhen City, Taoyuan County 324, Taiwan (R.O.C.)
(4)	Yao-Te Huang	of	10F3, No.419-3, Sec. 2, Gongdao 5th Rd., East District, Hsinchu City 300, Taiwan (R.O.C.)
(5)	Ming-Tung Wu	of	12F., No.117, Ln. 19, Guanxin Rd. East Dist., Hsinchu City 300, Taiwan (R.O.C.)
(6)	Ping-Yin Liu	of	3F., No. 7, Bao-an Rd. Yonghe City, Taipei County 234, Taiwan (R.O.C.)
(7)	Xin-Hua Huang	of	No. 276, Zhonggong Rd. Xihu Township, Changhua County 514, Taiwan (R.O.C.)
(8)	Yuan-Chih Hsieh	of	4F., No.12, Lane 1007, Daxue Rd. Hsinchu City 300, Taiwan (R.O.C.)

have invented certain improvements in

## MEMS DEVICE AND METHOD OF FORMATION THEREOF

for which we have executed an application for Letters Patent of the United States of America on August 9, 2011 as U.S. Serial No. 13/206,014 and

WHEREAS, we authorize the attorney of record to update this document to include Patent Office information as deemed necessary (i.e., filing date, serial number, etc.);

WHEREAS, Taiwan Semiconductor Manufacturing Company, Ltd., ("TSMC"), No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park Hsin-Chu, Taiwan 300-77, Republic of China. is desirous of obtaining the entire right, title, and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and other good and valuable consideration, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said TSMC, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the said invention, and the said application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted

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thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications from which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said TSMC, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said TSMC, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid the said TSMC, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

Inventor Name:	Hsin-Ting Huang				
Residence Address:	No.4, Xiwei, Neighborhood 2, Bailu Vil Bade City, Taoyuan County 33455, Taiwan (R.O.C.)				
Dated:	811)	Inven	Hsin ーTル tor Signature	y Huan	J
Inventor Name;	Jung-Huei Peng				_
Residence Address:	7F-1, No.6, Zihciang 6th St, Jhubei City, Hsinchu Hsien, Ta	iwan, (	R.O.C.)		
Dated: Voll, 8	(1),		Tung-Haei tor Signature	Peng	_

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