

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3190434

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	CHRIS KUO	12/26/2014
	LEE-CHUAN TSENG	12/26/2014
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.	
<b>Street Address:</b>	NO. 8, LI-HSIN RD. 6	
<b>Internal Address:</b>	HSIN-CHU SCIENCE 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>	
<b>Application Number:</b>	14601336	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(216)502-0601	
<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>	216-502-0600	
<b>Email:</b>	docketing@eschweilerlaw.com	
<b>Correspondent Name:</b>	ESCHWEILER & ASSOCIATES, LLC.	
<b>Address Line 1:</b>	629 EUCLID AVENUE, SUITE 1000	
<b>Address Line 2:</b>	NATIONAL CITY BANK BUILDING	
<b>Address Line 4:</b>	CLEVELAND, OHIO 44114	
<b>ATTORNEY DOCKET NUMBER:</b>	TSMCP112USA	
<b>NAME OF SUBMITTER:</b>	JAMES R. POTASHNIK	
<b>SIGNATURE:</b>	/James R. Potashnik/	
<b>DATE SIGNED:</b>	01/21/2015	
<b>Total Attachments: 4</b>		
source=Assignment#page1.tif		
source=Assignment#page2.tif		
source=Assignment#page3.tif		



P>01111>0 US01

Docket No. TSMCP112USA

**PATENT ASSIGNMENT**

**PARTIES TO THE ASSIGNMENT**

**Assignor(s):**

Chris Kuo  
6F., No. 21, Xindong St.  
Songshan Dist., Taipei City  
105, Taiwan (R.O.C.)

**Assignor(s):**

Lee-Chuan Tseng  
16F.-2, No. 374, Sec. 1  
Wenhua 3rd Rd., Linkou Dist.  
New Taipei City  
244, Taiwan (R.O.C.)

**Assignee:**

Taiwan Semiconductor Manufacturing Co., Ltd.  
No. 8, Li-Hsin Rd. 6, Hsin-Chu Science Park  
Hsin-Chu, Taiwan 300-77  
Republic of China

**AGREEMENT**

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled

**"A NOVEL MECHANISM FOR MEMS BUMP SIDE WALL ANGLE**

**IMPROVEMENT"** for which:

a non-provisional application for United States Letters Patent:

☒ was executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney); or

☐ was filed on \_\_\_\_\_ and accorded U.S. Serial No. \_\_\_\_\_; or

☐ will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes and requests ASSIGNEE'S legal representatives, the attorneys

Docket No. TSMCP112USA

associated with Customer No. \_\_\_\_\_, to insert below in this document this  
APPLICATION's U.S. Serial Number and filing date, when known:

U.S. Serial No. \_\_\_\_\_,

filed on \_\_\_\_\_.

WHEREAS, ASSIGNEE (listed above), a corporation of the Republic of China is  
desirous of acquiring the entire right, title and interest in and to the invention and in and to  
any letters patent that may be granted therefore in the United States and in any and all  
foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of  
which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto  
ASSIGNEE its successors and assigns, the entire right, title and interest in and to said  
invention and improvements, said application and any and all letters patent which may be  
granted for said invention in the United States of America and its territorial possessions and  
in any and all foreign countries, and in any and all divisions, reissues, re-examinations and  
continuations thereof, including the right to file foreign applications directly in the name of  
ASSIGNEE and to claim priority rights deriving from said United States application to which  
said foreign applications are entitled by virtue of international convention, treaty or otherwise,  
said invention, application and all letters patent on said invention to be held and enjoyed by  
ASSIGNEE and its successors and assigns for their use and benefit and of their successors  
and assigns as fully and entirely as the same would have been held and enjoyed by  
ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S)  
hereby authorize and request the Commissioner of Patents and Trademarks to issue all  
letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all  
instruments and documents required for the making and prosecution of applications for

Docket No. TSMCP112USA

United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefore.

12/26/2014  
Date

Chris Kuo  
Name 1<sup>st</sup> Inventor Chris Kuo

Docket No. TSMCP112USA

12/26/2014  
Date

Lee-Chuan Tseng  
Name 2<sup>nd</sup> Inventor Lee-Chuan Tseng