

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KUO-CHENG CHING	07/02/2014
KA-HING FUNG	07/02/2014
CHIH-SHENG CHANG	07/02/2014
ZHIQIANG WU	07/02/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD.
<b>Street Address:</b>	8, LI-HSIN RD. 6
<b>Internal Address:</b>	HSINCHU SCIENCE PARK
<b>City:</b>	HSINCHU
<b>State/Country:</b>	TAIWAN
<b>Postal Code:</b>	300-78
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15700377
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(214)200-0853
<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>	214-651-5000
<b>Email:</b>	ipdocketing@haynesboone.com
<b>Correspondent Name:</b>	HAYNES AND BOONE, LLP IP SECTION
<b>Address Line 1:</b>	2323 VICTORY AVENUE
<b>Address Line 2:</b>	SUITE 700
<b>Address Line 4:</b>	DALLAS, TEXAS 75219
<b>ATTORNEY DOCKET NUMBER:</b>	24061.2815US04
<b>NAME OF SUBMITTER:</b>	LINDA INGRAM
<b>SIGNATURE:</b>	/Linda Ingram/
<b>DATE SIGNED:</b>	09/11/2017
<b>Total Attachments: 2</b>	

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**ASSIGNMENT**

WHEREAS, we,

- |     |                  |    |   |
|-----|------------------|----|---|
| (1) | Kuo-Cheng Ching  | of | 5F., No. 8-3, Guangming 9th Road<br>Zhubei City, Hsinchu County 302<br>Taiwan, R.O.C.               |
| (2) | Ka-Hing Fung     | of | No. 12, Alley 28, Lane 438<br>Yuanshan Road, Zhudong Township<br>Hsinchu County 310, Taiwan, R.O.C. |
| (3) | Chih-Sheng Chang | of | 12F-1, No. 17 Guanghua E. Street<br>Hsinchu 300, Taiwan, R.O.C.                                     |
| (4) | Zhiqiang Wu      | of | 22F, No. 533 Hsin Long Road<br>Section 1, Chubei, Hsinchu County<br>Taiwan, R.O.C.                  |

have invented certain improvements in

**A METHOD AND STRUCTURE FOR FINFET DEVICE**

for which we have executed an application for Letters Patent of the United States of America,

\_\_\_\_\_ of even date filed herewith; and  
X filed on April 16, 2014, and assigned application number 14/254,072; 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 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: Kuo-Cheng Ching

Residence Address: 5F., No. 8-3, Guangming 9th Road, Zhubei City  
Hsinchu County 302, Taiwan, R.O.C.

✓ Dated: 2014/7/12

✓ Kuo-Cheng Ching  
Inventor Signature

Inventor Name: Ka-Hing Fung

Residence Address: No. 12, Alley 28, Lane 438, Yuanshan Road, Zhudong Township  
Hsinchu County 310, Taiwan, R.O.C.

✓ Dated: 2014/7/12

✓ Ka-Hing Fung  
Inventor Signature

Inventor Name: Chih-Sheng Chang

Residence Address: 12F-1, No. 17 Guanghua E. Street, Hsinchu 300, Taiwan, R.O.C.

✓ Dated: 2014/7/12

✓ Chih-Sheng Chang  
Inventor Signature

Inventor Name: Zhiqiang Wu

Residence Address: 22F, No. 533 Hsin Long Road, Section 1  
Chubei, Hsinchu County, Taiwan, R.O.C.

✓ Dated: 7/2/2014

✓ Zhiqiang Wu  
Inventor Signature