

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2961210

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TSU-HSIU PERNG	07/24/2014
CHIH CHIEH YEH	07/24/2014
TZU-CHIANG CHEN	07/24/2014
CHIA-CHENG HO	07/24/2014
CHIH-SHENG CHANG	07/24/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Taiwan Semiconductor Manufacturing Company, Ltd., ("TSMC")
<b>Street Address:</b>	No. 8, Li-Hsin Rd. 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>
<b>Application Number:</b>	14447223
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<b>ATTORNEY DOCKET NUMBER:</b>	2010-0320-D / 24061.2937
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<b>SIGNATURE:</b>	/Y. Kim Reyes/
<b>DATE SIGNED:</b>	07/30/2014
<b>Total Attachments: 3</b>	

**PATENT**

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**ASSIGNMENT**

WHEREAS, we,

- |     |                  |    |  |
|-----|------------------|----|--|
| (1) | Tsu-Hsiu Perng   | of | 39, Zhongtai Road<br>Zhubei City, Hsinchu County, Taiwan, R.O.C.   |
| (2) | Chih Chieh Yeh   | of | 1F., No.122, Dajhih Street<br>Jhongshan District, Taipei City 104, Taiwan R.O.C.                                   |
| (3) | Tzu-Chiang Chen  | of | 11F., No. 33, Alley. 16, Lane 92, Section 3<br>Jingguo Road, Xiangshan District<br>Hsinchu City 300, Taiwan R.O.C. |
| (4) | Chia-Cheng Ho    | of | No.21, Lane 111, Minquan Road<br>Hsinchu City 300, Taiwan R.O.C.   |
| (5) | Chih-Sheng Chang | of | 12F-1, No. 17 Guanghua East Street<br>Hsinchu 300, Taiwan, R.O.C.  |

have invented certain improvements in

**METHOD OF MANUFACTURING A FIN-LIKE FIELD EFFECT TRANSISTOR (FINFET)  
DEVICE**

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

  V   of even date filed herewith; and  
           filed on                    and assigned application number                   ; 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.

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Inventor Name: Tsu-Hsiu Perng

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Dated: 2014 / 7 / 24

Tsu Hsiu Perng  
Inventor Signature

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Dated: 2014 / 7 / 24

Chih Chieh Yeh  
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Dated: 2014/7/24

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Dated: 2014/7/24

Chia-Cheng Ho  
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Dated: 2014/7/24

Chih-Sheng Chang  
Inventor Signature

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