

PATENT ASSIGNMENT

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 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Address of Receiving party previously recorded on Reel 028445 Frame 0340. Assignor(s) hereby confirms the Assignment of Inventors.

CONVEYING PARTY DATA

Name	Execution Date
Chia-Chu Liu	04/24/2012
Kuei-Shun Chen	04/24/2012
Chih-Hsiung Peng	04/30/2012
Chi-Kang Chang	04/24/2012
Chiang Mu-Chi	05/08/2012
Sheng-Yu Chang	04/24/2012
Hua Feng Chen	04/24/2012
Chao-Cheng Chen	04/25/2012
Ryan Chia-Jen Chen	04/25/2012

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:	13449118

CORRESPONDENCE DATA

Fax Number: (214)200-0853
 Phone: 214-651-5000
 Email: ipdocketing@haynesboone.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

OP \$40.00 13449118

Correspondent Name: Haynes and Boone LLP
Address Line 1: 2323 Victory Avenue
Address Line 2: Suite 700
Address Line 4: Dallas, TEXAS 75219

ATTORNEY DOCKET NUMBER:	24061.2089/2011-1505
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NAME OF SUBMITTER:	David M. O'Dell
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Total Attachments: 6
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PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																				
NATURE OF CONVEYANCE:	ASSIGNMENT																				
CONVEYING PARTY DATA																					
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Chia-Chu Liu</td><td>04/24/2012</td></tr><tr><td>Kuei-Shun Chen</td><td>04/24/2012</td></tr><tr><td>Chih-Hsiung Peng</td><td>04/30/2012</td></tr><tr><td>Chi-Kang Chang</td><td>04/24/2012</td></tr><tr><td>Chiang Mu-Chi</td><td>05/08/2012</td></tr><tr><td>Sheng-Yu Chang</td><td>04/24/2012</td></tr><tr><td>Hua Feng Chen</td><td>04/24/2012</td></tr><tr><td>Chao-Cheng Chen</td><td>04/25/2012</td></tr><tr><td>Ryan Chia-Jen Chen</td><td>04/25/2012</td></tr></tbody></table>		Name	Execution Date	Chia-Chu Liu	04/24/2012	Kuei-Shun Chen	04/24/2012	Chih-Hsiung Peng	04/30/2012	Chi-Kang Chang	04/24/2012	Chiang Mu-Chi	05/08/2012	Sheng-Yu Chang	04/24/2012	Hua Feng Chen	04/24/2012	Chao-Cheng Chen	04/25/2012	Ryan Chia-Jen Chen	04/25/2012
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<table border="1"><tr><td>Name:</td><td>Taiwan Semiconductor Manufacturing Company, Ltd.</td></tr><tr><td>Street Address:</td><td>2323 Victory Avenue</td></tr><tr><td>Internal Address:</td><td>Suite 700</td></tr><tr><td>City:</td><td>Dallas</td></tr><tr><td>State/Country:</td><td>TEXAS</td></tr><tr><td>Postal Code:</td><td>75219</td></tr></table>		Name:	Taiwan Semiconductor Manufacturing Company, Ltd.	Street Address:	2323 Victory Avenue	Internal Address:	Suite 700	City:	Dallas	State/Country:	TEXAS	Postal Code:	75219								
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Email: ipdocketing@haynesboone.com
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Correspondent Name: Haynes and Boone LLP
Address Line 1: 2323 Victory Avenue
Address Line 2: Suite 700
Address Line 4: Dallas, TEXAS 75219

ATTORNEY DOCKET
NUMBER:

24061.2089/2011-1505

NAME OF SUBMITTER:

David M. O'Dell

Signature:

/David M. O'Dell/

Date:

06/26/2012

Total Attachments: 4

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RECEIPT INFORMATION

EPAS ID: PAT2005059
Receipt Date: 06/26/2012
Fee Amount: \$40

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Docket No.: 2011-1505 / 24061.2089
Customer No.: 000042717

ASSIGNMENT

WHEREAS, we,

- | | | | |
|-----|--------------------|----|--|
| (1) | Chia-Chu Liu | of | 8 F, No. 177, Ba-der Road
Shin-Chu City, Taiwan R.O.C. |
| (2) | Kuei-Shun Chen | of | 27 393 Lane Min-Hu Road
Hsin-Chu, Taiwan 300, R.O.C. |
| (3) | Chih-Hsiung Peng | of | No. 205-2, Guannan, Gongguan Township
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| (4) | Chi-Kang Chang | of | 8F., No. 39-5, Sec. 3, Mingdeng Road
Ruifang District
New Taipei City 224, Taiwan R.O.C. |
| (5) | Chiang Mu-Chi | of | No. 30, Lane 56, Street, Jing-Fu
Hsinchu, Taiwan R.O.C. |
| (6) | Sheng-Yu Chang | of | Floor 5, No. 17, Lane 7, Lane 384
Section 1, Chung Hua Road
Hsinchu City, Taiwan |
| (7) | Hua Feng Chen | of | 6F., No.12, Lane 19, Guanxin Road
East District
Hsinchu City 300, Taiwan R.O.C. |
| (8) | Chao-Cheng Chen | of | #46 3F-2, Lui-Sui Road
Shin-Chu City, Taiwan R.O.C. |
| (9) | Ryan Chia-Jen Chen | of | No. 182 Minchuan Road
Chiayi, Taiwan R.O.C. |

have invented certain improvements in

A METHOD OF FORMING A FINFET DEVICE

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

 X of even date filed herewith; and
 xx filed on 04-17-2012 and assigned application number 13/449,118; 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;

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Customer No.: 000042717

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: Chia-Chu Liu

Residence Address: Li-Hsin Rd.6, Hsinchu Science Park
Hsinchu, Taiwan 300-77, R.O.C.

Dated: 2012.4.24

Chia-Chu Liu
Inventor Signature

Inventor Name: Kuei-Shun Chen

Residence Address: 27 393 Lane Min-Hu Road
Hsin-Chu, Taiwan 300, R.O.C.

Dated: 2012.4.24

Kuei-Shun Chen
Inventor Signature

Docket No.: 2011-1505 / 24061.2089

Customer No.: 000042717

Inventor Name: Chih-Hsiung Peng

Residence Address: No. 205-2, Guannan, Gongguan Township
Miaoli County 363, Taiwan R.O.C.

Dated: 2012.4.30

Chih-Hsiung Peng
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Dated: 2012.4.24

Chi-Kang Chang
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Inventor Name: Chiang Mu-Chi

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Dated: 2012.5.8

Chiang Mu-chi
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Dated: 2012.4.24

Sheng Yu Chang
Inventor Signature

Docket No.: 2011-1505 / 24061.2089

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Residence Address: 6F., No.12, Lane 19, Guanxin Road, East District
Hsinchu City 300, Taiwan R.O.C.

Dated: 4/20/2012

Hua Feng Chen
Inventor Signature

Inventor Name: Chao-Cheng Chen

Residence Address: #46 3F-2, Lui-Sui Road
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Dated: 4/25/2012

Chao-Cheng Chen
Inventor Signature

Inventor Name: Ryan Chia-Jen Chen

Residence Address: No. 182 Minchuan Road
Chiayi, Taiwan R.O.C.

Dated: 04/25/2012

Ryan Chia-Jen Chen
Inventor Signature