

## 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>Kuo-Cheng Ching</td> <td>08/16/2013</td> </tr> <tr> <td>Zhi-Chang Lin</td> <td>08/16/2013</td> </tr> <tr> <td>Chao-Hsiung Wang</td> <td>08/19/2013</td> </tr> <tr> <td>Chi-Wen Liu</td> <td>08/16/2013</td> </tr> </tbody> </table>		Name	Execution Date	Kuo-Cheng Ching	08/16/2013	Zhi-Chang Lin	08/16/2013	Chao-Hsiung Wang	08/19/2013	Chi-Wen Liu	08/16/2013
Name	Execution Date										
Kuo-Cheng Ching	08/16/2013										
Zhi-Chang Lin	08/16/2013										
Chao-Hsiung Wang	08/19/2013										
Chi-Wen Liu	08/16/2013										
RECEIVING PARTY DATA											
Name:	Taiwan Semiconductor Manufacturing Co., Ltd.										
Street Address:	No. 8, Li-Hsin Rd. 6										
Internal Address:	Hsin-Chu Science Park										
City:	Hsin-Chu										
State/Country:	TAIWAN										
Postal Code:	300-77										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13970790</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13970790						
Property Type	Number										
Application Number:	13970790										
CORRESPONDENCE DATA											
Fax Number:	2165020601										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	212-502-0600										
Email:	docketing@eschweilerlaw.com										
Correspondent Name:	Eschweiler & Associates, LLC.										
Address Line 1:	629 Euclid Avenue, Suite 1000										
Address Line 2:	National City Bank Building										
Address Line 4:	Cleveland, OHIO 44114										
ATTORNEY DOCKET NUMBER:	TSMCP314US										
NAME OF SUBMITTER:	Thomas G. Eschweiler										

OP \$40.00 13970790

Signature:	/Thomas G. Eschweiler/
Date:	08/20/2013
Total Attachments: 6 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif source=Assignment#page6.tif	

U.S. Patent Appln. No.

Docket No. TSMCP314US

Filing Date

**PATENT ASSIGNMENT****PARTIES TO THE ASSIGNMENT****Assignor(s):**

Kuo-Cheng Ching  
5F, No. 8-3, Guangming 9th Rd.  
Hsinchu County  
Zhubei City 302  
Taiwan (R.O.C.)

**Assignor(s):**

Zhi-Chang Lin  
3F, No. 30, Ln. 37, Sec. 3, Xinglong Rd.  
Hsinchu County  
Zhubei City 302  
Taiwan (R.O.C.)

**Assignor(s):**

Chao-Hsiung Wang  
5F-1, No. 29, Jianzhong 1st Rd.  
Hsin-Chu City 300  
Taiwan (R.O.C.)

**Assignor(s):**

Chi-Wen Liu  
3F, No. 561, Nan-Da Rd.  
Hsinchu  
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

**“FINFET DEVICE WITH CHANNEL EPITAXIAL REGION”** for which:

a non-provisional application for United States Letters Patent:

U.S. Patent Appln. No.

Docket No. TSMCP314US

Filing Date

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

I hereby authorize and request my attorney associated with Customer No. 107476, to insert on the designated lines below the filing date and application number of said application 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

U.S. Patent Appln. No.

Docket No. TSMCP314US

Filing Date

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 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.

✓ 2013/08/16  
Date

✓ Kuo-Cheng Ching  
Name 1<sup>st</sup> Inventor Kuo-Cheng Ching

U.S. Patent Appln. No.

Filing Date

✓ 2013/08/16  
Date

✓ Zhi-Chang Lin  
Name 2<sup>nd</sup> Inventor Zhi-Chang Lin

U.S. Patent Appln. No.

Filing Date

✓ 2013-08-19  
Date

✓ Chao Hsiung Wang  
Name 3<sup>rd</sup> Inventor Chao Hsiung Wang

U.S. Patent Appln. No.

Filing Date

✓ Aug. 16 / 2013  
Date

✓ Chi-Wen Liu  
Name 4<sup>th</sup> Inventor Chi-Wen Liu