

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Yun Jing Lin</td> <td>11/15/2010</td> </tr> <tr> <td>Wei-Han Fan</td> <td>11/11/2010</td> </tr> <tr> <td>Yu-Hsien Lin</td> <td>11/11/2010</td> </tr> <tr> <td>Yimin Huang</td> <td>11/15/2010</td> </tr> </tbody> </table>		Name	Execution Date	Yun Jing Lin	11/15/2010	Wei-Han Fan	11/11/2010	Yu-Hsien Lin	11/11/2010	Yimin Huang	11/15/2010		
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CORRESPONDENCE DATA													
<p>Fax Number: (214)200-0853</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (512) 867-8528</p> <p>Email: Kim.Reyes@haynesboone.com</p> <p>Correspondent Name: Haynes and Boone, LLP</p> <p>Address Line 1: IP Section, 2323 Victory Avenue</p> <p>Address Line 2: Suite 700</p> <p>Address Line 4: Dallas, TEXAS 75219</p>													
ATTORNEY DOCKET NUMBER:	2010-0549 / 24061.1535												
NAME OF SUBMITTER:	Kelly Gehrke Lyle												

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PATENT
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Total Attachments: 3

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ASSIGNMENT

WHEREAS, we,

- | | | | |
|-----|--------------|----|--|
| (1) | Yun Jing Lin | of | 16F-2, No. 25, Lane 23, Guandong Road, East District
Hsinchu City 300, Taiwan, R.O.C. |
| (2) | Wei-Han Fan | of | 7F, No. 60, Lane 19, Guan-Hsin Road
Hsin-Chu City, Taiwan, R.O.C. |
| (3) | Yu-Hsien Lin | of | 20th-2 floor, 68 University Road
Hsinchu 300, Taiwan, R.O.C. |
| (4) | Yimin Huang | of | No. 120, Jinshan 26th Street
Hsinchu City 300, Taiwan, R.O.C. |

have invented certain improvements in

SPACER ELEMENTS FOR SEMICONDUCTOR DEVICE

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

 X of even date filed herewith; and
 filed on November 22, 2010 and assigned application number 12/951,676; 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: Yun Jing Lin

Residence Address: 16F-2, No. 25, Lane 23, Guandong Road, East District
Hsinchu City 300, Taiwan, R.O.C.

✓
Dated: 2010/11/15

✓
Yun Jing Lin
Inventor Signature

Inventor Name: Wei-Han Fan

Residence Address: 7F, No. 60, Lane 19, Guan-Hsin Road
Hsin-Chu City, Taiwan, R.O.C.

✓
Dated: 2010' 11' 11

✓
Wei-Han Fan
Inventor Signature

Inventor Name: Yu-Hsien Lin

Residence Address: 20th-2 floor, 68 University Road
Hsinchu 300, Taiwan, R.O.C.

✓
Dated: Yu-Hsien Lin
2010' 11' 11'

✓
Yu-Hsien Lin
Inventor Signature

Docket No.: 2010-0549 / 24061.1535
Customer No.: 42717

Inventor Name: Yimin Huang

Residence Address: No. 120, Jinshan 26th Street
Hsinchu City 300, Taiwan, R.O.C.

✓
Dated: 11/15/2010

✓
Yimin Huang
Inventor Signature