

PATENT ASSIGNMENT

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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>Harry Hak-Lay Chuang</td><td>10/14/2009</td></tr> <tr><td>Kong-Beng Thei</td><td>10/14/2009</td></tr> <tr><td>Sheng-Chen Chung</td><td>10/14/2009</td></tr> <tr><td>Chiung-Han Yeh</td><td>10/14/2009</td></tr> <tr><td>Lee-Wee Teo</td><td>10/14/2009</td></tr> <tr><td>Yu-Ying Hsu</td><td>10/14/2009</td></tr> <tr><td>Bao-Ru Young</td><td>10/14/2009</td></tr> </tbody> </table>		Name	Execution Date	Harry Hak-Lay Chuang	10/14/2009	Kong-Beng Thei	10/14/2009	Sheng-Chen Chung	10/14/2009	Chiung-Han Yeh	10/14/2009	Lee-Wee Teo	10/14/2009	Yu-Ying Hsu	10/14/2009	Bao-Ru Young	10/14/2009
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Name:</td><td>Taiwan Semiconductor Manufacturing Company, Ltd.</td></tr> <tr><td>Street Address:</td><td>No. 8, Li-Hsin Rd. 6</td></tr> <tr><td>Internal Address:</td><td>Science-Based Industrial Park</td></tr> <tr><td>City:</td><td>Hsin-Chu</td></tr> <tr><td>State/Country:</td><td>TAIWAN</td></tr> <tr><td>Postal Code:</td><td>300-77</td></tr> </table>		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				
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CORRESPONDENCE DATA																	
<p>Fax Number: (214)200-0853</p> <p>Phone: 214-651-5000</p> <p>Email: ipdocketing@haynesboone.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Haynes and Boone LLP</p> <p>Address Line 1: 2323 Victory Avenue</p> <p>Address Line 2: Suite 700</p> <p>Address Line 4: Dallas, TEXAS 75219</p>																	

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PATENT
 REEL: 027265 FRAME: 0054

ATTORNEY DOCKET NUMBER:	24061.1271/2009-0134
NAME OF SUBMITTER:	David M. O'Dell
Total Attachments: 4 source=1271Assignment#page1.tif source=1271Assignment#page2.tif source=1271Assignment#page3.tif source=1271Assignment#page4.tif	

Docket No.: 2009-0134 (2009-0135, 2009-0360) / 24061.1271
Customer No.: 42717

ASSIGNMENT

WHEREAS, we,

- | | | | |
|-----|----------------------|----|--|
| (1) | Harry Hak-Lay Chuang | of | 18-59 Lane 85, Fu-Chuan Street
Hsinchu City, Taiwan, R.O.C. |
| (2) | Kong-Beng Thei | of | No. 186, Nan-Kang Road
Pao-Shan Village, Hsin-Chu Country, Taiwan, R.O.C. |
| (3) | Sheng-Chen Chung | of | 6F, No. 55-1, Jhuangjing 5 th Street
Jhubei City, Hsinchu County 302, Taiwan, R.O.C. |
| (4) | Chiung-Han Yeh | of | No. 214, Dawu Street, North District
Tainan City 704, Taiwan, R.O.C. |
| (5) | Lee-Wee Teo | of | _____
_____, Taiwan, R.O.C. |
| (6) | Yu-Ying Hsu | of | _____
_____, Taiwan, R.O.C. |
| (7) | Bao-Ru Young | of | No. 7, Lane 1, Liujia 2nd Street
Zhubei City, Hsinchu County 302, Taiwan, R.O.C. |

have invented certain improvements in

POLYSILICON DESIGN FOR REPLACEMENT GATE TECHNOLOGY

for which we have executed an application for Letters Patent of the United States of America, filed on _____ and assigned application no. _____;

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 One Dollar (\$1.00) and other 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,

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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: Harry Hak-Lay Chuang

Residence Address: 18-59 Lane 85, Fu-Chuan Street
Hsinchu City, Taiwan, R.O.C.

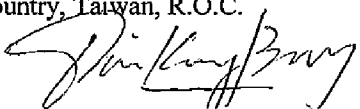
Dated: 2009/10/14


Inventor Signature

Inventor Name: Kong-Beng Thei

Residence Address: No. 186, Nan-Kang Road
Pao-Shan Village, Hsin-Chu Country, Taiwan, R.O.C.

Dated: 10/14 '2009

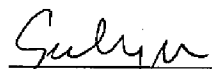

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Inventor Name: Sheng-Chen Chung

Residence Address: 6F, No. 55-1, Jhuangjing 5th Street
Jhubei City, Hsinchu County 302, Taiwan, R.O.C.

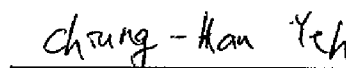
Dated: 10/14/09


Inventor Signature

Inventor Name: Chiung-Han Yeh

Residence Address: No. 214, Dawu Street, North District
Tainan City 704, Taiwan, R.O.C.

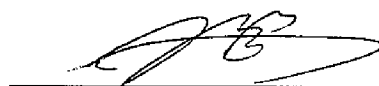
Dated: 10/14/09


Inventor Signature

Inventor Name: Lee-Wee Teo

Residence Address: 607, Senja Road, # 10-06 Singapore.

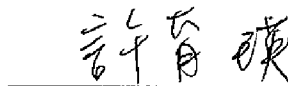
Dated: 10/14/2009


Inventor Signature

Inventor Name: Yu-Ying Hsu

Residence Address: No. 9, Lane 85, Ziyun St., Pingzhen city
Taoyuan County, Taiwan, R.O.C.

Dated: 10/14/09


Inventor Signature

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Inventor Name: Bao-Ru Young

Residence Address: No. 7, Lane 1, Liujia 2nd Street
Zhubei City, Hsinchu County 302, Taiwan, R.O.C.

Dated: 10/14/2009

BR Young
Inventor Signature
