

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Da-Yuan LEE	07/23/2009
Jian-Hao CHEN	07/23/2009
Chi-Chun CHEN	10/29/2009
Matt YEHL	07/23/2009
Hsing-Jui LEE	07/23/2009
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:	12567227
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	24061.1120

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**PATENT
 REEL: 023650 FRAME: 0686**

NAME OF SUBMITTER:

David M. O'Dell

Total Attachments: 4

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ASSIGNMENT

WHEREAS, we,

- (1) Da-Yuan Lee of 10F, No. 172, Sec. 2, Jiafong S. Road
Jhubei City, Hsinchu County 302, Taiwan, R.O.C.
- (2) Jian-Hao Chen of 9F-2, No. 21, Lane 23, Guandong Road, East District
Hsinchu City 300, Taiwan, R.O.C.
- (3) Chi-Chun Chen of 8F, No. 56, ChangSheng Road, Gushan Chiu
Kaohsiung, Taiwan, R.O.C.
- (4) Matt Yeh of 6F, 6, Ching-San Street 28
Hsinchun, Taiwan, R.O.C.
- (5) Hsing-Jui Lee of No. 17, Jinshan E. 3rd Street, East District
Hsinchu City 300, Taiwan, R.O.C.

have invented certain improvements in

FABRICATING HIGH-K/METAL GATE DEVICES IN A GATE LAST PROCESS

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

 of even date filed herewith; and
 xx filed on September 25, 2009 and assigned application no. 12/567,227 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 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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Customer No.: 42717

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: Da-Yuan Lee

Residence Address: 10F, No. 172, Sec. 2, Jiafong S. Road
Jhubei City, Hsinchu County 302, Taiwan, R.O.C.

Dated: 2009. 07. 23

Da-Yuan Lee
Inventor Signature

Inventor Name: Jian-Hao Chen

Residence Address: 9F-2, No. 21, Lane 23, Guandong Road, East District
Hsinchu City 300, Taiwan, R.O.C.

Dated: 2009. 07. 23

Jian-Hao Chen
Inventor Signature

Inventor Name: Chi-Chun Chen

Residence Address: 8F, No. 56, ChangSheng Road, Gushan Chiu
Kaohsiung, Taiwan, R.O.C.

Dated: ✓ 10-29-09

✓ Chi-Chun Chen
Inventor Signature

Inventor Name: Matt Yeh

Residence Address: 6F, 6, Ching-San Street 28
Hsinchun, Taiwan, R.O.C.

Dated: _____

Inventor Signature

Inventor Name: Hsing-Jui Lee

Residence Address: No. 17, Jinshan E. 3rd Street, East District
Hsinchu City 300, Taiwan, R.O.C.

Dated: _____

Inventor Signature

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Inventor Name: Chi-Chun Chen
Residence Address: 8F, No. 56, ChangSheng Road, Gushan Chiu
Kaohsiung, Taiwan, R.O.C.

Dated: _____
Inventor Signature _____

Inventor Name: Matt Yeh
Residence Address: 6F, 6, Ching-San Street 28
Hsinchun, Taiwan, R.O.C.

Dated: 7/23 '09 _____
Inventor Signature Matt Yeh _____

Inventor Name: Hsing-Jui Lee
Residence Address: No. 17, Jinshan E. 3rd Street, East District
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Dated: 7/23 '09 _____
Inventor Signature Hsing-Jui Lee _____