

PATENT ASSIGNMENT

Electronic Version v1.1
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| 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>Chiung-Han Yeh</td> <td>02/20/2009</td> </tr> <tr> <td>Chen-Pin Hsu</td> <td>02/20/2009</td> </tr> <tr> <td>Ming-Yuan Wu</td> <td>02/20/2009</td> </tr> <tr> <td>Kong-Beng Thei</td> <td>02/20/2009</td> </tr> <tr> <td>Harry Chuang</td> <td>02/20/2009</td> </tr> </tbody> </table> | | Name | Execution Date | Chiung-Han Yeh | 02/20/2009 | Chen-Pin Hsu | 02/20/2009 | Ming-Yuan Wu | 02/20/2009 | Kong-Beng Thei | 02/20/2009 | Harry Chuang | 02/20/2009 |
| Name | Execution Date | | | | | | | | | | | | |
| Chiung-Han Yeh | 02/20/2009 | | | | | | | | | | | | |
| Chen-Pin Hsu | 02/20/2009 | | | | | | | | | | | | |
| Ming-Yuan Wu | 02/20/2009 | | | | | | | | | | | | |
| Kong-Beng Thei | 02/20/2009 | | | | | | | | | | | | |
| Harry Chuang | 02/20/2009 | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | |
| Name: | Taiwan Semiconductor Manufacturing Company, Ltd. | | | | | | | | | | | | |
| Street Address: | No. 8, Li-Hsin Road 6 | | | | | | | | | | | | |
| 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>12477618</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12477618 | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | |
| Application Number: | 12477618 | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | |
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| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | | | | | |
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| Email: | ipdocketing@haynesboone.com | | | | | | | | | | | | |
| Correspondent Name: | HAYNES AND BOONE, LLP | | | | | | | | | | | | |
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| Address Line 2: | Suite 700 | | | | | | | | | | | | |
| Address Line 4: | Dallas, TEXAS 75219 | | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 24061.1143 | | | | | | | | | | | | |
| NAME OF SUBMITTER: | Liem T. Do | | | | | | | | | | | | |

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Total Attachments: 3

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Docket No.: 2008-0506 / 24061.1143
Customer No.: 42717

ASSIGNMENT

WHEREAS, we,

- (1) Chiung-Han Yeh of No. 214, Dawu Street, North District
Tainan City 704, Taiwan, R.O.C.
- (2) Chen-Pin Hsu of No. 18, Huangnitang Road, Neighbor 7, Huangtan Village
Longtan Township, Taoyuan, Taiwan, R.O.C.
- (3) Ming-Yuan Wu of No. 3, Dongshih Street
Hsinchu City 300, Taiwan, R.O.C.
- (4) Kong-Beng Thei of No. 186, Nan-Kang Road, Pao-Shan Village
Hsin-Chu Country, Taiwan, R.O.C.
- (5) Harry Chuang of 18-59 Lane 85, Fu-Chuan Street
Hsin-Chu City 300, Taiwan, R.O.C.

have invented certain improvements in

PHOTORESIST ETCH BACK METHOD FOR GATE LAST PROCESS

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 6-3-2009 and assigned application number 12/477618; 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, R.O.C. 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, to issue all Letters Patent for said

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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: Chiung-Han Yeh

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

Dated: 2/20 '09

Chiung-Han Yeh
Inventor Signature

Inventor Name: Chen-Pin Hsu

Residence Address: No. 18, Huangnitang Road, Neighbor 7, Huangtan Village
Longtan Township, Taoyuan, Taiwan, R.O.C.

Dated: 2/20 '09

Chen-Pin Hsu
Inventor Signature

Inventor Name: Ming-Yuan Wu

Residence Address: No. 3, Dongshih Street
Hsin Chu City 300, Taiwan, R.O.C.

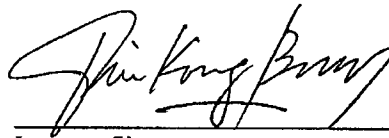
Dated: 2/20 '09

Ming-Yuan Wu
Inventor Signature

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Customer No.: 42717

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

Dated: 7/20 '09.



Inventor Signature

Inventor Name: Harry Chuang
Residence Address: 18-59 Lane 85, Fu-Chuan Street
Hsinchu City 300, Taiwan, R.O.C.

Dated: 2-20-2009



Inventor Signature
