

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>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jean Wang</td> <td>04/25/2007</td> </tr> <tr> <td>Francis Ko</td> <td>04/25/2007</td> </tr> <tr> <td>Ping-Hsu Chen</td> <td>04/26/2007</td> </tr> <tr> <td>Henry Lo</td> <td>04/25/2007</td> </tr> <tr> <td>Chih-Wei Lai</td> <td>04/25/2007</td> </tr> </tbody> </table>		Name	Execution Date	Jean Wang	04/25/2007	Francis Ko	04/25/2007	Ping-Hsu Chen	04/26/2007	Henry Lo	04/25/2007	Chih-Wei Lai	04/25/2007
Name	Execution Date												
Jean Wang	04/25/2007												
Francis Ko	04/25/2007												
Ping-Hsu Chen	04/26/2007												
Henry Lo	04/25/2007												
Chih-Wei Lai	04/25/2007												
RECEIVING PARTY DATA													
Name:	Taiwan Semiconductor Manufacturing Company, Ltd.												
Street Address:	No. 8, Li-Hsin Road 6												
Internal Address:	Science-Based Industrial Park												
City:	Hsin-Chu												
State/Country:	TAIWAN												
Postal Code:	300-77												
PROPERTY NUMBERS Total: 1													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11744107</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11744107								
Property Type	Number												
Application Number:	11744107												
CORRESPONDENCE DATA													
Fax Number:	(214)200-0853												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	972-739-8660												
Email:	bonnie.boyle@haynesboone.com												
Correspondent Name:	Bonnie Boyle												
Address Line 1:	901 Main Street												
Address Line 2:	Suite 3100												
Address Line 4:	Dallas, TEXAS 75202												
ATTORNEY DOCKET NUMBER:	24061.873												

CH \$40.00 11744107

NAME OF SUBMITTER:

David M. O'Dell

Total Attachments: 3

source=873Assignment#page1.tif

source=873Assignment#page2.tif

source=873Assignment#page3.tif

ASSIGNMENT

WHEREAS, we,

- (1) Jean Wang of 3F-4, University Rd.
Hsin Chu, Taiwan, R.O.C.
- (2) Francis Ko of 5F-4, No. 92, Jingcheng Rd., West District
Taichung City 403, Taiwan, R.O.C.
- (3) Ping-Hsu Chen of 2F, No. 6, Peiying St.
Hsinchu City 300, Taiwan, R.O.C.
- (4) Henry Lo of 7F-6, No. 39, Chien Chung Rd. I
Hsinchu, Taiwan, R.O.C.
- (5) Chih-Wei Lai of 3F, No. 6, Lane 86, Ho-Ping Rd.
Hsinchu City 300, Taiwan, R.O.C.

have invented certain improvements in

PREDICTION OF UNIFORMITY OF A WAFER

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

_____ of even date filed herewith; and
 X filed on May 3, 2007 and assigned application number 11/744,107; 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

Docket No.: 2006-0900 / 24061.873
Customer No.: 42717

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: Jean Wang
Residence Address: 3F-4, University Rd.
Hsin Chu, Taiwan, R.O.C.

Dated: 4/25/07

Jean Wang
Inventor Signature

Inventor Name: Francis Ko
Residence Address: 5F-4, No. 92, Jingcheng Rd., West District
Taichung City 403, Taiwan, R.O.C.

Dated: 4/25/07

Francis Ko
Inventor Signature

Docket No.: 2006-0900 / 24061.873
Customer No.: 42717

Inventor Name: Ping-Hsu Chen
Residence Address: 2F, No. 6, Peiying St.
Hsinchu City 300, Taiwan, R.O.C.

Dated: 4/26/07 Ping-Hsu Chen
Inventor Signature

Inventor Name: Henry Lo
Residence Address: 7F-6, No. 39, Chien Chung Rd. I
Hsinchu, Taiwan, R.O.C.

Dated: 4/25/2007 Henry Lo
Inventor Signature

Inventor Name: Chih-Wei Lai
Residence Address: 3F, No. 6, Lane 86, Ho-Ping Rd.
Hsinchu City 300, Taiwan, R.O.C.

Dated: 4/25/07 Chih-Wei Lai
Inventor Signature
