

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>Andy Tsen</td><td>05/08/2009</td></tr> <tr><td>Jo Fei Wang</td><td>05/08/2009</td></tr> <tr><td>Po-Feng Tsai</td><td>05/08/2009</td></tr> <tr><td>Ming-Yu Fan</td><td>05/08/2009</td></tr> <tr><td>Jill Wang</td><td>05/08/2009</td></tr> <tr><td>Jong-I Mou</td><td>05/08/2009</td></tr> <tr><td>Sunny Wu</td><td>05/08/2009</td></tr> </tbody> </table>		Name	Execution Date	Andy Tsen	05/08/2009	Jo Fei Wang	05/08/2009	Po-Feng Tsai	05/08/2009	Ming-Yu Fan	05/08/2009	Jill Wang	05/08/2009	Jong-I Mou	05/08/2009	Sunny Wu	05/08/2009
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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 Road 6</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 Road 6	City:	Hsin-Chu	State/Country:	TAIWAN	Postal Code:	300-77						
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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: 214-651-5000</p> <p>Email: ipdocketing@haynesboone.com</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>																	
ATTORNEY DOCKET NUMBER:	24061.1241																

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PATENT
REEL: 022677 FRAME: 0365

NAME OF SUBMITTER:

Brandi W. Sarfatis

Total Attachments: 4

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Docket No.: 2008-0911 (-0912) / 24061.1241
Customer No.: 42717

ASSIGNMENT

WHEREAS, we,

- | | | | |
|-----|--------------|----|---|
| (1) | Andy Tsen | of | 38, Floor 11, Alley 167, Chung-Cheng Road
Chung-Ho City, Taipei County 235, Taiwan, R.O.C. |
| (2) | Jo Fei Wang | of | No. 7, Alley 9, Lane 544, Kung-Fu Road, Sec. 1
Hsin-Chu City, Taiwan, R.O.C. |
| (3) | Po-Feng Tsai | of | 5F, No. 92-1, Sec. 3, Neihu Road, Neihu District
Taipei City 114, Taiwan, R.O.C. |
| (4) | Ming-Yu Fan | of | No. 45, Lane 1 St. Chang-Chun, PeiPu
Hsinchu County, Taiwan, R.O.C. |
| (5) | Jill Wang | of | 3F-1, No. 6, Lane 179, Wuling Road, North District
Hsinchu City 30055, Taiwan, R.O.C. |
| (6) | Jong-I Mou | of | No. 11, Daxiang Road
Hsinpu Township, Hsinchu County 30542, Taiwan, R.O.C. |
| (7) | Sunny Wu | of | No. 19, Lane 219, Yuanshan Road
Zhudong Town, Hsinchu County 310, Taiwan, R.O.C. |

have invented certain improvements in

SYSTEM AND METHOD FOR IMPLEMENTING A WAFER ACCEPTANCE TEST ("WAT") ADVANCED PROCESS CONTROL ("APC") WITH NOVEL SAMPLING POLICY AND ARCHITECTURE

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 5-13-2009 and assigned application number 12/465,064 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

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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: Andy Tsen

Residence Address: 38, Floor 11, Alley 167, Chung-Cheng Road
Chung-Ho City, Taipei County 235, Taiwan, R.O.C.

Dated: May 8, 2008

Andy Tsen
Inventor Signature

Inventor Name: Jo Fei Wang

Residence Address: No. 7, Alley 9, Lane 544, Kung-Fu Road, Sec. 1
Hsin-Chu City, Taiwan, R.O.C.

Dated: Jo Fei Wang 5/8/08

Jo Fei Wang
Inventor Signature

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Inventor Name: Po-Feng Tsai

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Dated: 5/8/09

Po Feng Tsai
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Inventor Name: Ming-Yu Fan

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Dated: 5/8/09

Ming Yu Fan
Inventor Signature

Inventor Name: Jill Wang

Residence Address: 3F-1, No. 6, Lane 179, Wuling Road, North District
Hsinchu City 30055, Taiwan, R.O.C.

Dated: 5/8/09

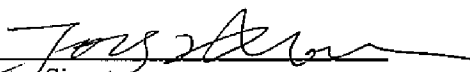
Jill Wang
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Inventor Name: Jong-I Mou

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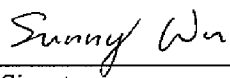
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Inventor Signature

Inventor Name: Sunny Wu

Residence Address: No. 19, Lane 219, Yuanshan Road
Zhudong Town, Hsinchu County 310, Taiwan, R.O.C.

Dated: 5/8, 09'


Inventor Signature
