

PATENT ASSIGNMENT

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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>Chih-Wei Hsu</td> <td>03/18/2010</td> </tr> <tr> <td>Jin-Ning Sung</td> <td>03/18/2010</td> </tr> <tr> <td>Shin-Rung Lu</td> <td>03/25/2010</td> </tr> <tr> <td>Jong-I Mou</td> <td>03/25/2010</td> </tr> </tbody> </table>		Name	Execution Date	Chih-Wei Hsu	03/18/2010	Jin-Ning Sung	03/18/2010	Shin-Rung Lu	03/25/2010	Jong-I Mou	03/25/2010
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Shin-Rung Lu	03/25/2010										
Jong-I Mou	03/25/2010										
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>12731348</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12731348						
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Application Number:	12731348										
CORRESPONDENCE DATA											
Fax Number:	(214)200-0853										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	24061.1412										
NAME OF SUBMITTER:	David M. O'Dell										
Total Attachments: 3											

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**PATENT
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ASSIGNMENT

WHEREAS, we,

- (1) Chih-Wei Hsu of No. 8, Huei-Ming Juang
Chuang-Hua City, Taiwan, R.O.C.
- (2) Jin-Ning Sung of No. 10, Alley 4, Lane 183, Kaifong Street
Pingjhen City, Taoyuan County 324, Taiwan, R.O.C.
- (3) Shin-Rung Lu of 8F, No. 185, Wen-Yi Street
Chu-Pei City, Hsin-Chu County, Taiwan, R.O.C.
- (4) Jong-I Mou of No. 11, Daxiang Road
Hsinpu Township, Hsinchu County 30542, Taiwan,
R.O.C.

have invented certain improvements in

DYNAMIC COMPENSATION IN ADVANCED PROCESS CONTROL

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 March 25, 2010 and
 assigned application no. 12/731,348 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, 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.

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Customer No.: 42717

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: Chih-Wei Hsu
Residence Address: No. 8, Huei-Ming Juang
Chuang-Hua City, Taiwan, R.O.C.

Dated: Mar. 18, 2010 Hsu Chih-Wei
Inventor Signature

Inventor Name: Jin-Ning Sung
Residence Address: No. 10, Alley 4, Lane 183, Kaifong Street
Pingjhen City, Taoyuan County 324, Taiwan, R.O.C.

Dated: Mar. 18, 2010 Sung Jin-Ning
Inventor Signature

Docket No.: 2009-0721 / 24061.1412
Customer No.: 42717

Inventor Name: Shin-Rung Lu

Residence Address: 8F, No. 185, Wen-Yi Street
Chu-Pei City, Hsin-Chu County, Taiwan, R.O.C.

Dated: 3/25/2010

Shin Rung Lu
Inventor Signature

Inventor Name: Jong-I Mou

Residence Address: No. 11, Daxiang Road
Hsinpu Township, Hsinchu County 30542, Taiwan, R.O.C.

Dated: 3/25/2010

Jong-I Mou
Inventor Signature