

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Chen-Ting Lin</td><td>01/24/2006</td></tr><tr><td>Chi-Cheng Jou</td><td>01/24/2006</td></tr><tr><td>Chih-Hung Wu</td><td>01/24/2006</td></tr><tr><td>Chia-Hua Chang</td><td>01/24/2006</td></tr></tbody></table>	Name	Execution Date	Chen-Ting Lin	01/24/2006	Chi-Cheng Jou	01/24/2006	Chih-Hung Wu	01/24/2006	Chia-Hua Chang	01/24/2006	
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Chen-Ting Lin	01/24/2006										
Chi-Cheng Jou	01/24/2006										
Chih-Hung Wu	01/24/2006										
Chia-Hua Chang	01/24/2006										
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											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11358664</td></tr></tbody></table>	Property Type	Number	Application Number:	11358664							
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Application Number:	11358664										
CORRESPONDENCE DATA											
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REEL: 017467 FRAME: 0204

Total Attachments: 3

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PATENT

REEL: 017467 FRAME: 0205

ASSIGNMENT

WHEREAS, we,

- | | | | |
|-----|----------------|----|---|
| (1) | Chen-Ting Lin | of | 10F, No. 62, Lane 59, Chaiciao Rd.
Neighborhood 19, Chaiciao Village
Hsinchu City 30067, Taiwan, R.O.C. |
| (2) | Chi-Cheng Jou | of | 4F-2, Siashan, No. 91
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| (3) | Chih-Hung Wu | of | 5F, No. 3-2, Lane 109, Sec. 3
Heping W. Road, Wanhua District
Taipei City, 108, Taiwan, R.O.C. |
| (4) | Chia-Hua Chang | of | 9F-1, No. 252, Sec. 2, Beisin Road
Sindian City, Taipei County 231, Taiwan, R.O.C. |

have invented certain improvements in

A NEW TRANSLATION ENGINE OF DEFECT PATTERN RECOGNITION

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 February 21, 2006 and assigned application number 11/358,664; 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.

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: Chen-Ting Lin

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Dated: 2006/01/24

Chen-Ting Lin
Inventor Signature

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Dated: 2006/1/24

Chi-Cheng Jou
Inventor Signature

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Dated: 2006/01/24

Chih-Hung Wu
Inventor Signature

Docket No.: 2004-1311 / 24061.619
Customer No.: 000042717

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Dated: 2006/01/24

Chia-Hua Chang
Inventor Signature
