

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Wen-Chuan Wang	09/24/2007
Shy-Jay Lin	09/24/2007
Te-Chih Huang	09/27/2007
Chih-Ming Ke	09/27/2007
Wei-Yu Su	09/26/2007
Heng-Hsin Liu	09/26/2007
Tsai-Sheng Gau	09/27/2007
Chin-Hsiang Lin	09/26/2007

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

Property Type	Number
Application Number:	11866514

CORRESPONDENCE DATA

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Total Attachments: 4

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ASSIGNMENT

WHEREAS, we,

- (1) Wen-Chuan Wang of 3F-2, No. 133, Jiangong 1st Road, East District Hsinchu City 300, Taiwan, R.O.C.
- (2) Shy-Jay Lin of No. 15, Alley 36, Lane 134, Yuanshan Road Jhudong Township, Hsinchu County 310, Taiwan, R.O.C.
- (3) Te-Chih Huang of No. 35, Lane 53, Alley 268, Shin-Ming Street Chu-Bei City, Shin-Chu County, Taiwan, R.O.C.
- (4) Chih-Ming Ke of 9F, No. 17, Alley 7, Lane 298, Sec. 2, Guangfu Road Hsinchu City 300, Taiwan, R.O.C.
- (5) Wei-Yu Su of No. 83, Lane 201, Jhongsiao Road Banciao City, Taipei County 220, Taiwan, R.O.C.
- (6) Heng-Hsin Liu of 7F, No. 116-1, Sec. 1, Huanhe E. Road Yonghe City, Taipei County 234, Taiwan, R.O.C.
- (7) Tsai-Sheng Gau of No. 35, Lane 4, An-Kang Street Hsin-Chu City, Taiwan, R.O.C.
- (8) Chin-Hsiang Lin of No. 37, Lane 393, Min-hu Road Hsin-Chu, Taiwan, R.O.C.

have invented certain improvements in

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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 October 3, 2007 and assigned application no. 11/866,514 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

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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: Wen-Chuan Wang

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Dated: 09/24/07


Inventor Signature

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Dated: 09/24/07


Inventor Signature

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Dated: 9/27 2007

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Dated: 9/26/07

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