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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Li-Jun Chen	05/30/2007
Tsai-Sheng Gau	05/30/2007
Chi-Kang Peng	06/01/2007

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:	11764573

CORRESPONDENCE DATA

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ATTOTALE BOOKET HOMBER.	2.1001.020	
ATTORNEY DOCKET NUMBER:	24061.920	

NAME OF SUBMITTER: Dave R. Hofman

PATENT REEL: 019444 FRAME: 0808

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Total Attachments: 2

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PATENT REEL: 019444 FRAME: 0809

Docket No.: 2007-0062 / 24061.920

Customer No.: 42717

ASSIGNMENT

WHEREAS, we,

(1)	Li-Jui Chen	of	18F-1, No. 6, Lane 175, Wu-Ling Road Hsinchu City, Taiwan, R.O.C.
(2)	Tsai-Sheng Gau	of	No. 35, Lane 4, An-Kang Street Hsinchu City, Taiwan, R.O.C.
(3)	Chi-Kang Peng	of	4F, No. 9-8 Alley 23, Lane 53, Dongnan Street Hsincbu City 300, 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 June 18, 2007 and assigned application number 11/764,573; 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.

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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:

Li-Jui Chen

Residence Address:

18F-1, No. 6, Lane 175, Wu-Ling Road

Hsinchu City, Taiwan, R.O.C.

Inventor Name:

Tsai-Sheng Gau

Residence Address:

No. 35, Lane 4, An-Kang Street

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Inventor Name:

Chi-Kang Peng

Residence Address:

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PATENT REEL: 019444 FRAME: 0811