PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
Chih-Chiang Tu	02/13/2008	
Chien-Chao Huang	02/13/2008	

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

Property Type	Number
Application Number:	12048043

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 24061.972

NAME OF SUBMITTER: David M. O'Dell

Total Attachments: 2

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PATENT

REEL: 020649 FRAME: 0014

\$40.00

Docket No.: 2007-0443 / 24061.972

Customer No.: 42717

ASSIGNMENT

WHEREAS, we,

(1) Chih-Chiang Tu of 13F-2, No. 112, ShinPu 6th Street Tauyen, Taiwan, R.O.C.

(2) Chien-Chao Huang of 6F-1, No. 32, St. Ti-Yu Hsin-Chu City 300, Taiwan, R.O.C.

have invented certain improvements in

MASK MAKING DESIGN FOR MANUFACTURING (DFM) ON MASK QUALITY CONTROL

for which we have executed an application for Letters Patent of the United States of America,

	of even date filed herewith; and				
Χ	filed on 03-13-08 and assigned application number	12/048,043	_; and		

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.

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Inventor Name:

Chih-Chiang Tu

Residence Address:

13F-2, No. 112, ShinPu 6th Street

Tauyen, Taiwan, R.O.C.

Dated: Feb. 13, 2008

Chih - Chiang Tu Inventor Signature

Inventor Name:

Chien-Chao Huang

Residence Address:

6F-1, No. 32, St. Ti-Yu

Hsin-Chu City 300, Taiwan, R.O.C.

Dated: Leb. 13, 2008

Mier-Chas Inventor Signature

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