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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Ru-Gun Liu	07/26/2012
Shuo-Yen Chou	07/26/2012
Hoi-Tou Ng	07/26/2012
Ken-Hsien Hsieh	07/26/2012
Yi-Yin Chen	07/26/2012

RECEIVING PARTY DATA

Name:	Taiwan Semiconductor Manufacturing Company, Ltd.	
Street Address:	No. 8, Li-Hsin R. 6, Science Based Industrial Park	
City:	Hsin-Chu	
State/Country:	TAIWAN	
Postal Code:	300-77	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13564019	

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 24061.2154

NAME OF SUBMITTER: Rachel L.I. Davis

Total Attachments: 3

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REEL: 028697 FRAME: 0142

OP \$40.00 135640

Docket No.: 2012-0189 / 24061.2154

Customer No.: 42717

ASSIGNMENT

WHEREAS, we,

(1)	Ru-Gun Liu	of	No. 90, Chenggong 5th Street Zhubei City, Hsinchu County 302, Taiwan, R.O.C.
(2)	Shuo-Yen Chou	of	No. 415, Sec. 3, Zhongshan Road Ji-an Shiang, Hualien County 973, Taiwan, R.O.C.
(3)	Hoi-Tou Ng	of	No. 89, Jinshan 8th Street, East District Hsinchu City 300, Taiwan, R.O.C.
(4)	Ken-Hsien Hsieh	of	5F, No. 49, Sec. 2, Roosevelt Road, Da-an District Taipei City 106, Taiwan, R.O.C.
(5)	Yi-Yin Chen	of	7F, No. 53, Alley 3, Lane 219, Sec. 7, Zhongshan N. Rd. Beitou District, Taipei City 112, Taiwan, R.O.C.

have invented certain improvements in

METHOD FOR MAKING A MASK FOR AN INTEGRATED CIRCUIT DESIGN

for which we have executed an application for Letters Patent of the United States of America, filed on August 1, 2012, and assigned application no. 13/564,019 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 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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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:	Ru-Gun Liu	
Residence Address:	No. 90, Chenggong 5th Street Zhubei City, Hsinchu County 3	02, Taiwan, R.O.C.
Dated: 12.	ly 2012	Ry-Gun Lyy Inventor Signature
Inventor Name:	Shuo-Yen Chou	
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Dated: Z6, July	1, 2012	Show-Yn Chon Inventor Signature
nventor Name:	Hoi-Tou Ng	
Residence Address:	No. 89, Jinshan 8th Street, East Hsinchu City 300, Taiwan, R.O	
Dated: 2/ July	.) n1Q	the Tay 1)

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Inventor Name:

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Dated: July 76. 20/2

Ken-Hien Hsieh Inventor Signature

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Dated: July 26, 20/2

Ji- Jin Chen Inventor Signature

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