

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHI-WEN HSIEH	08/07/2012
CHI-KANG CHANG	08/08/2012
CHIA-CHU LIU	08/07/2012
MENG-WEI CHEN	08/07/2012
KUEI-SHUN CHEN	08/07/2012
RECEIVING PARTY DATA	
Name:	TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD.
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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:	14472018
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SIGNATURE:	/LaDonna Johnson/
DATE SIGNED:	08/28/2014
Total Attachments: 3	

PATENT

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Docket No.: 2012-0139 / 24061.2140
 Customer No.: 000042717

ASSIGNMENT

WHEREAS, we,

- (1) Chi-Wen Hsieh of No.39-10, Ln. 188, Dongguang Road, East District Hsinchu City 300, Taiwan (R.O.C.)
- (2) Chi-Kang Chang of 8F., No. 39-5, Sec. 3, Mingdeng Road Ruifang District New Taipei City 224, Taiwan (R.O.C.)
- (3) Chia-Chu Liu of 8 F, No 177, Ba-der Road Shin-Chu City, Taiwan (R.O.C.)
- (4) Meng-Wei Chen of 9F.-1, No. 198-2, Sec. 3, Huilai Road Xitun District Taichung City 407, Taiwan (R.O.C.)
- (5) Kuei-Shun Chen of 27 393 Land Min-Hu Road Hsin-Chu 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,

 X of even date filed herewith; and
 filed on 09-04-2012 and assigned application number 13/602,697; 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

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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: Chi-Wen Hsieh

Residence Address: No.39-10, Ln. 188, Dongguang Road, East District
Hsinchu City 300, Taiwan (R.O.C.)

Dated: 2012/8/7

CHI-WEN HSIEH
謝文其
Inventor Signature

Inventor Name: Chi-Kang Chang

Residence Address: 8F., No. 39-5, Sec. 3, Mingdeng Road, Ruifang District
New Taipei City 224, Taiwan (R.O.C.)

Dated: 2012/8/8

Chi-Kang Chang
Inventor Signature

Inventor Name: Chia-Chu Liu

Residence Address: 8 F, No 177, Ba-der Road
Shin-Chu City, Taiwan (R.O.C.)

Dated: 2012/8/7

Chia-Chu Liu
Inventor Signature

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Inventor Name: Meng-Wei Chen

Residence Address: 9F.-1, No. 198-2, Sec. 3, Huilai Road, Xitun District
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Dated: 8/17/2012

Meng-Wei Chen
Inventor Signature

Inventor Name: Kuei-Shun Chen

Residence Address: 27 393 Land Min-Hu Road
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Dated: 8/17/2012

Kuei-Shun Chen
Inventor Signature