PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4289099

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHE-CHENG CHANG	07/28/2015
CHIH-HAN LIN	07/28/2015
JR-JUNG LIN	07/28/2015

RECEIVING PARTY DATA

Name:	TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD.	
Street Address:	NO. 8, LI-HSIN RD. 6	
Internal Address:	al Address: SCIENCE-BASED INDUSTRIAL PARK	
City:	HSIN-CHU	
State/Country:	Country: TAIWAN	
Postal Code:	300-77	

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	15345125		

CORRESPONDENCE DATA

Fax Number: (214)200-0853

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 2146515000

Email: ipdocketing@haynesboone.com

Correspondent Name: HAYNES AND BOONE, LLP IP SECTION

Address Line 1: 2323 VICTORY AVENUE

Address Line 2: SUITE 700

Address Line 4: DALLAS, TEXAS 75219

ATTORNEY DOCKET NUMBER: 2014-1067/24061.3053US02

NAME OF SUBMITTER: DELL WHITTON

SIGNATURE: /Dell Whitton/

DATE SIGNED: 02/23/2017

Total Attachments: 2

source=3053US02 Assignment#page1.tif source=3053US02 Assignment#page2.tif

PATENT 504242422 REEL: 041361 FRAME: 0716

Docket No.: P20141067US01/24061.3053

Customer No.: 000042717

ASSIGNMENT

WHEREAS, we,

cehangzh 2015/07/28 13:31:30

(1)	Che-Cheng Chang	of	Taiwan 300-77, Republic of China
(2)	Chih-Han Lin	of	Taiwan 300-77, Republic of China
(3)	Jr-Jung Lin	of	Taiwan 300-77, Republic of China

have invented certain improvements in

METHOD AND STRUCTURE FOR FINFET ISOLATION

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 November 7, 2016 and assigned application number 15/345,125; 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, 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.

- 1 -

() Changeb 2015/07/28 13:31:30

Docket No.: P20141067US01/24061.3053

Customer No.: 000042717

Inventor Name:

Che-Cheng Chang

Residence Address:

No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park

Hsin-Chu 300-77, Taiwan, R.O.C.

Dated: 2517 7 28

Che-Cheng ()
Inventor Signature ()

Inventor Name:

Chih-Han Lin

Residence Address:

No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park

Hsin-Chu 300-77, Taiwan, R.O.C.

Dated:

85/17/10r

Inventor Signature

Inventor Name:

Jr-Jung Lin

Residence Address:

No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park

Hsin-Chu 300-77, Taiwan, R.O.C.

Dated: Jun

2ro(5()/28

Inventor Signature

R-3053 (p20141067US01) - Assignment_1023

-2-