PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4370750

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HSIEN-WEI CHEN	11/16/2011

RECEIVING PARTY DATA

Name:	TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD., ("TSMC")
Street Address:	NO. 8, LI-HSIN RD. 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:	15488972

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: 5128678528
Email: ipdocketing@haynesboone.com
Correspondent Name: HAYNES AND BOONE, LLP
Address Line 1: IP SECTION, 2323 VICTORY AVENUE
Address Line 2: SUITE 700
Address Line 4: DALLAS, TEXAS 75219

ATTORNEY DOCKET NUMBER:	20110661/24061.3303US02
NAME OF SUBMITTER:	Y. KIM REYES
SIGNATURE:	/Y. Kim Reyes/
DATE SIGNED:	04/17/2017

Total Attachments: 1
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Docket No. T5057-Y597

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

1) **Hsien-Wei CHEN**

who has made a certain new and useful invention, hereby sells, assigns and transfers unto

TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD. having a place of business at **No. 8, Li-Hsin Rd. VI, Hsinchu Science Park, Hsinchu 300, Taiwan R.O.C.**

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

BUMP STRUCTURE DESIGN FOR STRESS REDUCTION

(a) for which an application for United States Letters Patent was filed on 2011-12-07, and identified by United States Patent Application No. 13/313,867 ; or

(b) for which an application for United States Letters Patent was executed on ___________,

and the undersigned hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefore and any and all extensions, divisions, reissues, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agrees to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the date indicated aside my signature:

1) Hsien-Wei Chen
Name: **Hsien-Wei CHEN**

2011, 11, 16
Date: