# 504008541 09/16/2016

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
RU-SHANG HSIAO	02/27/2014
LING-SUNG WANG	03/11/2014
CHIH-MU HUANG	02/27/2014
CING-YAO CHAN	03/03/2014
CHUN-YING WANG	03/04/2014
JEN-PAN WANG	02/27/2014

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#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15267328

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DATE SIGNED:	09/16/2016

504008541 PATENT REEL: 039763 FRAME: 0017

# Total Attachments: 8 source=Assignment#page1.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif source=Assignment#page6.tif source=Assignment#page7.tif source=Assignment#page8.tif

PATENT REEL: 039763 FRAME: 0018

TSMC Docket No. TSMC2013-1556
Docket No. TSMCP408US

U.S. Patent Appln. No. Filing Date

# PATENT ASSIGNMENT

### PARTIES TO THE ASSIGNMENT

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TSMC Docket No. TSMC2013-1556

Docket No. TSMCP408US

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Assignee:

csheino 2014/02/27 07:33:55

Taiwan Semiconductor Manufacturing Co., Ltd. No. 8, Li-Hsin Rd. 6, Hsin-Chu Science Park Hsin-Chu, Taiwan 300-77 Republic of China

#### <u>AGREEMENT</u>

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "SANDWICH EPI CHANNEL FOR DEVICE ENHANCEMENT" for which:

a non-provisional application for United States Letters Patent:

$\boxtimes$	was executed on even date preparatory to filling (each inventor should sign this
	Assignment on the same day as he/she signs the Declaration and Power of
	Attorney); or
	was filed on and accorded U.S. Serial No; or
	I hereby authorize and request my attorney associated with Customer No.
	107476, to insert on the designated lines below the filing date and application
	number of said application when known;
	U.S. Serial No.
	filed on

WHEREAS, ASSIGNEE (listed above), a corporation of the Republic of China is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefore in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE its successors and assigns, the entire right, title and interest in and to said invention and improvements, said application and any and all letters patent which may be

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Attachment 15a

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granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues, re-examinations and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefore.

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Name 1st Inventor Ru-Shang Hsiao

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2014,02,27

Date

Name 3<sup>rd</sup> Inventor Chih-Mu Huang

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2014.3.3

Date

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Name 4th Inventor Cing-Yao Chan

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TSMC Docket No. TSMC2013-1556
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Date 7, 3, 4

Name 5th Inventor Chun-Ying Wang

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Feb.>7: 2014.
Date

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