

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2771036

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	FU-AN LI	02/14/2014
	CHENG-CHUN TSAI	02/14/2014
	TING-HSIEN CHEN	02/14/2014
	MU-KAI TUNG	02/14/2014
	BEN-ZU WANG	02/14/2014
	PO-JEN SHIH	02/14/2014
	HUNG-HSIN LIANG	02/14/2014
RECEIVING PARTY DATA		
Name:	TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.	
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City:	HSINCHU	
State/Country:	TAIWAN	
Postal Code:	3000	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14174303
CORRESPONDENCE DATA		
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ATTORNEY DOCKET NUMBER:	NP-14325-US-B2	
NAME OF SUBMITTER:	SUNIL RAVAL	
SIGNATURE:	/Sunil Raval, Reg. #47886/	
DATE SIGNED:	03/17/2014	

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Total Attachments: 2

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ASSIGNMENT

This assignment agreement is applicable to an invention entitled (Invention Title) SEMICONDUCTOR DEVICE AND METHOD FOR MANUFACTURING THEREOF

The PATENT RIGHTS referred to in this agreement are:

- (check one) ☐ a patent application for this invention, executed by the ASSIGNOR(S) concurrently with this assignment.
- ☒ U.S. patent application Serial No. 14/174,303, filed February 6, 2014
- ☐ a U.S. patent application based on PCT International Application No. _____ filed on (date) _____ (U.S. patent application Serial No. _____, if known).
- ☐ U.S. patent No. _____, issued _____.

The PATENT RIGHTS also include all divisions, reissues, continuations and extensions of the patents and patent applications identified above.

The PATENT RIGHTS assigned under this agreement are:

- (check one) ☒ U.S. patent rights only.
- ☐ Worldwide patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. or foreign patent application for this invention.

The ASSIGNOR(S) referred to in this agreement is (or are) the inventor(s) whose signatures appear on page 2 of this Assignment and any Supplemental Sheet(s).

The ASSIGNEE referred to in this agreement is:

(Name of Assignee) TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.

(Address) NO.8, LI-HSIN RD.6, SCIENCE-BASED INDUSTRIAL PARK, HSINCHU, TAIWAN 300, R.O.C.

The ASSIGNEE is:

- (check one) ☐ An individual.
- ☐ A Partnership.
- ☒ A Corporation of TAIWAN, R.O.C. (specify state or country)
- ☐ (other) _____

The ASSIGNOR(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, hereby assign(s) the following rights to the ASSIGNEE, its successors and assigns:

the full and exclusive right to the invention;

the entire right, title and interest in and to the PATENT RIGHTS;

the right to sue and recover for any past infringement; and

the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable provisions, based on any earlier patent applications for this invention.

THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO
 ASSIGNEE: TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.
 INVENTION TITLE: SEMICONDUCTOR DEVICE AND METHOD FOR
 MANUFACTURING THEREOF

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademark to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any fact known to the ASSIGNOR(S) with respect to said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause and all Letter Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNOR(S) authorize(s) the attorneys and agents who have the power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

<u>Fu-An LI</u>	<u>Fu-An Li</u>	<u>2014.2.14</u>
Name of sole or first inventor	Signature	Date
<u>Cheng-Chun TSAI</u>	<u>[Signature]</u>	<u>2014.2.14.</u>
Name of second inventor, if any	Signature	Date
<u>Ting-Hsien CHEN</u>	<u>Ting-Hsien CHEN</u>	<u>2014.2.14</u>
Name of third inventor, if any	Signature	Date
<u>Mu-Kai TUNG</u>	<u>Mu-Kai Tung</u>	<u>2014.2.14</u>
Name of fourth inventor, if any	Signature	Date
<u>Ben-Zu WANG</u>	<u>Ben-Zu WANG</u>	<u>2014.2.14</u>
Name of fifth inventor, if any	Signature	Date
<u>Po-Jen SHIH</u>	<u>Po-Jen SHIH</u>	<u>2014.2.14</u>
Name of sixth inventor, if any	Signature	Date
<u>Hung-Hsin LIANG</u>	<u>Hung-Hsin LIANG</u>	<u>2014.2.14</u>
Name of seventh inventor, if any	Signature	Date

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