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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TENG-CHUN TSAI	07/29/2014
LI-TING WANG	07/29/2014
CHENG-TUNG LIN	07/29/2014
DE-FANG CHEN	07/29/2014
CHIH-TANG PENG	07/29/2014
CHIEN-HSUN WANG	07/29/2014
HUNG-TA LIN	07/29/2014

RECEIVING PARTY DATA

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City:	HSINCHU		
State/Country:	TAIWAN		
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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14455598	

CORRESPONDENCE DATA

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NAME OF SUBMITTER:		R. BURNS ISRAELSEN		
SIGNATURE:		/R. Burns Israelsen/		
DATE SIGNED:		08/08/2014		
		FAICNI		

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REEL: 033498 FRAME: 0602

Total Attachments: 2

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Inventor(s)-to-Assignee

15 1

ASSIGNMENT

This assignment agreement is applicable to an invention entitled (Invention Title) TUNNEL FIELD-EFFECT TRANSISTOR AND METHOD FOR FABRICATING THE SAME 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.____,filed_____ 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. 1 11 A. The ASSIGNEE is: (check one) An individual. A Partnership. A Corporation of <u>TAIWAN, R.O.C.</u> (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.

PATENT REEL: 033498 FRAME: 0604

THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO ASSIGNEE: <u>TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.</u> INVENTION TITLE: <u>TUNNEL FIELD-EFFECT TRANSISTOR AND METHOD</u> FOR FABRICATING THE SAME

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.

Teng-Chun TSAI Name of sole or first inventor

Li-Ting WANG

Name of second inventor, if any

Cheng-Tung LIN Name of third inventor, if any

De-Fang CHEN Name of fourth inventor, if any

Chih-Tang PENG Name of fifth inventor, if any

Chien-Hsun WANG Name of sixth inventor, if any

Hung-Ta Lin Name of seventh inventor, if any

RECORDED: 08/08/2014

Date

Date

07/28/2014

Signature

Date

Date

Signature

Signature

_____ Date

PATENT REEL: 033498 FRAME: 0605