

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
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CORRESPONDENCE DATA																	
Fax Number:	(202)756-8087																
Phone:	202-756-8000																
Email:	lcruz@mwe.com, ipdocketmwe@mwe.com																
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>																	
Correspondent Name:	MCDERMOTT WILL & EMERY LLP																
Address Line 1:	THE MCDERMOTT BUILDING																
Address Line 2:	500 NORTH CAPITOL STREET, N.W.																
Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20001																

CH \$40.00 14062838

ATTORNEY DOCKET NUMBER:	050094-0139
NAME OF SUBMITTER:	LYNN CRUZ
Signature:	/Lynn Cruz/
Date:	10/24/2013
Total Attachments: 2 source=050094_0139_Assignment#page1.tif source=050094_0139_Assignment#page2.tif	

ASSIGNMENT

This assignment agreement is applicable to an invention entitled (Invention Title) SEMICONDUCTOR DEVICE WITH TRENCH ISOLATION

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.

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 WITH TRENCH ISOLATION

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>Yu-Hung CHENG</u>	<u>Yu-Hung Cheng</u>	<u>2013.10.16</u>
Name of sole or first inventor	Signature	Date

<u>Cheng-Ta WU</u>	<u>Cheng Ta Wu</u>	<u>2013.10.16</u>
Name of second inventor, if any	Signature	Date

<u>Yeur-Luen TU</u>	<u>Yeur Luen Tu</u>	<u>2013.10.16</u>
Name of third inventor, if any	Signature	Date

<u>Chia-Shiung TSAI</u>	<u>Chia Shyng Tsai</u>	<u>2013.10.16</u>
Name of fourth inventor, if any	Signature	Date

<u>Ru-Liang LEE</u>	<u>Ru Liang Lee</u>	<u>10/17/13</u>
Name of fifth inventor, if any	Signature	Date

<u>Tung-I LIN</u>	<u>Tung-I Lin</u>	<u>10/17/2013</u>
Name of sixth inventor, if any	Signature	Date

<u>Wei-Li CHEN</u>	<u>Wei-li Chen</u>	<u>2013/10/17</u>
Name of seventh inventor, if any	Signature	Date