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PATENT ASSIGNMENT

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NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Chih Hung Hsueh	03/14/2013
Wei-Te Wang	03/14/2013
Shao-Yu Chen	03/14/2013
Chun-Liang Fan	03/14/2013
Kuan-Chi Tsai	03/14/2013

RECEIVING PARTY DATA

Name:	Taiwan Semiconductor Manufacturing Co., Ltd.	
Street Address:	No. 8, Li-Hsin Rd. 6	
Internal Address:	Hsin-Chu Science Park	
City:	Hsin-Chu	
State/Country:	TAIWAN	
Postal Code:	300-77	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13769441

CORRESPONDENCE DATA

Fax Number: 2165020601

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

212-502-0600 Phone:

docketing@eschweilerlaw.com Email: Correspondent Name: Eschweiler & Associates, LLC. Address Line 1: 629 Euclid Avenue, Suite 1000 Address Line 2: National City Bank Building Address Line 4: Cleveland, OHIO 44114

ATTORNEY DOCKET NUMBER: TSMCP251US

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PATENT

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NAME OF SUBMITTER:	Thomas G. Eschweiler
Signature:	/Thomas G. Eschweiler/
Date:	04/03/2013
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PARTIES TO THE ASSIGNMENT

Assignor(s):

Chih Hung Hsueh 8F., No.70, Yule St. East Dist. Tainan City 701 Taiwan (R.O.C.)

Assignor(s):

Wei-Te Wang No.29, Ln. 128, Jintian Rd. Xinxing Dist. Kaohsiung City 800 Taiwan (R.O.C.)

Assignor(s):

Shao-Yu Chen 3F., No.58, Dongping Rd. East Dist. Tainan City 70160 Taiwan (R.O.C.)

Assignor(s):

Chun-Liang Fan No. 595, Wuncheng Rd. North District Tainan City 704 Taiwan (R.O.C.)

Assignor(s):

Kuan-Chi Tsai No.717, Xuezhuan Rd Nanzi Dist. Kaohsiung City 811 Taiwan (R.O.C.)

Assignee:

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

TSMC Docket No. TSMC2012-1360

Docket No. TSMCP251US

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Filing Date:

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "PROCESS OF ULTRA THICK TRENCH ETCH WITH MULTI-SLOPE PROFILE" for which:

a n	on-provisional application for United States Letters Patent:
\boxtimes	was executed on even date preparatory to filing (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
	will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby
	authorizes and requests ASSIGNEE'S legal representatives, the attorneys
	associated with Customer No, to insert below in this document this
	APPLICATION's U.S. Serial Number and filing date, 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 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

TSMC Docket No. TSMC2012-1360

Docket No. TSMCP251US

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Filing Date:

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.

<u> 3ο13.3.1</u> φ

Chih Hung Huch

1st Inventor Chih Hung Hsueh

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Date

Name 3rd Inventor Shao-Yu Chen

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2013. 3. 14

Name 4th Inventor Chun-Liang Fan

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Name 5th Inventor Kuan-Chi Tsai

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