PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HARRY-HAK-LAY CHUANG	05/27/2014
WEI CHENG WU	05/27/2014
YA-CHEN KAO	05/27/2014
FANG-LAN CHU	05/27/2014

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:	14296496

CORRESPONDENCE DATA

Fax Number: (216)502-0601

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 216-502-0600

Email: docketing@eschweilerlaw.com

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: TSMCP443USA	
NAME OF SUBMITTER:	DAVID W. POTASHNIK
SIGNATURE:	/David W. Potashnik/
DATE SIGNED:	06/05/2014

Total Attachments: 6

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PATENT REEL: 033032 FRAME: 0656

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PATENT REEL: 033032 FRAME: 0657

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Harry-Hak-Lay Chuang 51 Paya Lebar Crescent Singapore 536191

Assignor(s):

Wei Cheng Wu 10F., No.196, Sec. 1, Shengli 7th St. Zhubei City, Hsinchu County 302, Taiwan (R.O.C.)

Assignor(s):

Ya-Chen Kao No.73-1, Xikoutai, Fuxing Township Taoyuan County 336, Taiwan (R.O.C.)

Assignor(s):

Fang-Lan Chu No.545, Sec. 1, Fengshi Rd. Fengyuan Dist., Taichung City 420, 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

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled

"DUAL SILICIDE FORMATION METHOD TO EMBED FLASH MEMORY IN

HKMG TECHNOLOGY " for which:

a non-provisional application for United States Letters Patent:

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TSMC Docket No. TSMC2014-0333 Docket No. TSMCP443USA

M	was executed on even date preparatory to filing (each inventor should sign this
	Assignment on the same day as he/she signs the Declaration); 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 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)

PATENT REEL: 033032***RAME!50659

TSMC Docket No. TSMC2014-0333 Docket No. TSMCP443USA

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.

\\ \frac{5/27/2014}{Date}

Name 1st Inventor Harry-Hak-Lay Chuang

TSMC Docket No. TSMC2014-0333 Docket No. TSMCP443USA

/_5/20/4 Date

Name 2nd Inventor Wei Cheng Wi

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V Date /2014

V. Ya Chen kao

Name 3rd Inventor Ya-Chen Kao