PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:		NEW ASSIGNMENT				
NATURE OF CONVEY	ANCE:	ASSIGNMENT				
CONVEYING PARTY D	ATA					
		Execution Date				
Juing-Yi Wu		09/04/2013				
Jyh-Kang Ting		09/04/2013				
Tsung-Chieh Tsai		09/04/2013				
Liang-Yao Lee		09/04/2013				
RECEIVING PARTY DA	ATA					
Name:	Taiwan Semiconductor Manufacturing Company Limited					
Street Address:	No. 8, Li-Hsin Road 6					
Internal Address:	Hsin-Chu Science Park					
City:	Hsin-Chu					
State/Country:	TAIWAN					
Postal Code:	300-77					
PROPERTY NUMBERS Total: 1 Property Type			lumber			
		023751				
CORRESPONDENCE	DATA					
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-		il when the fax attempt is unsuc	cessful.			
Phone: 2166540090 Email: docketing@cooperlegalgroup.com						
Correspondent Name: Cooper Legal Group LLC						
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Address Line 4:	Independen	ce, OHIO 44131				
ATTORNEY DOCKET NUMBER:		TSMC2013-0554	TSMC2013-0554			
NAME OF SUBMITTER:		Daniel A. Tate				
Signature:		/Daniel A. Tate/	/Daniel A. Tate/ PATENT			
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Date:	09/11/2013	
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif		

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ASSIGNMENT

For good and valuable consideration received of the hereinafter named assignee, receipt of which is hereby acknowledged, the undersigned

Juing-Yi Wu	Jyh-Kang Ting	Tsung-Chieh Tsai	Liang-Yao Lee
Hsinchu City, TW	Baoshan Township, TW	Chu-Bei City, TW	Taoyuan City, TW

NOW, THEREFORE, for and in consideration of our employment and the salary or wages paid to us by Taiwan Semiconductor Manufacturing Company Limited, I/we, Juing-Yi Wu, Jyh-Kang Ting, Tsung-Chieh Tsai and Liang-Yao Lee, by these presents do sell, assign, and transfer unto said Taiwan Semiconductor Manufacturing Company Limited, a corporation organized and existing under the laws of the Republic of China, having its principal place of business at No. 8, Li-Hsin Road 6, Hsin-Chu Science Park, Hsin-Chu, Taiwan 300-77, R.O.C., is desirous of acquiring an interest therein, its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the inventions entitled

IMPLANT REGION DEFINITION

for which application for United States Letters Patent has been filed on under Serial No._____, or was executed by the undersigned on the date below and is being filed concurrently herewith, said application for United States Letters Patent, any and all other applications for Letters Patent on said inventions in countries foreign to the United States, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said applications and said Letters Patent; said assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said assignee or otherwise as said assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments being hereby authorized to issue or transfer all said Letters Patent to said assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to assure that said inventions, patent applications and Letters Patent shall be held and enjoyed by said assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and substance which may be requested by said assignee, to furnish said assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models,

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 samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said inventions, and to testify in any proceedings relating to said inventions, patent applications and Letters Patent.

Juing - Yi M/u Inventor's Signature >013 Date Juing-Yi Wu Printed Name in English 2013. 9.4 Inventor's Date Jyh-Kang Ting Printed Name in English Tsury-chick Tsai Sep 4 2013 Inventor's Signature Date Tsung-Chieh Tsai Printed Name in English Liang - Lao Lee Inventor Signature Sep 4 2013 Date Liang-Yao Lee Printed Name in English

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