502870568 06/27/2014

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JHON JHY LIAW	06/23/2014

### **RECEIVING PARTY DATA**

Name:	TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD.	
Street Address:	NO. 8, LI-HSIN RD. VI, HSINCHU SCIENCE PARK	
City:	HSINCHU	
State/Country:	TAIWAN	
Postal Code:	300	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number	
Application Number:	14317146	

#### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	T5057-1074	
NAME OF SUBMITTER:	RANDY A. NORANBROCK	
SIGNATURE:	/Randy A. Noranbrock/	
DATE SIGNED:	06/27/2014	

**Total Attachments: 1** 

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**PATENT REEL: 033195 FRAME: 0173** 502870568

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TSMC2014-0552 Docket No. T5057-1074

## ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

1) Jhon Jhy LIAW

who has made a certain new and useful invention, hereby sells, assigns and transfers unto TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD., having a place of business at No. 8, Li-Hsin Rd. VI, Hsinchu Science Park, Hsinchu 300, Taiwan R.O.C.

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

# MEMORY CHIP AND LAYOUT DESIGN FOR MANUFACTURING SAME

(a)	for which an application for United States Letters Patent was filed United States Patent Application No. <u>14/317.146</u>	on 2014-06-27 , and identified by ; or
(b)	for which an application for United States Letters Patent was exec	outed on
all Unite continua Property	undersigned hereby authorizes and requests the United States Cored States Letters Patent which may be granted therefore and any ations-in-part thereof, and the right to all benefits under the Interest to the said ASSIGNEE, for its interest as ASSIGNEE, its successhat the attorneys of record in said application shall hereafter act on	and all extensions, divisions, reissues, continuations, or emational Convention for the Protection of Industrial isors, assigns and legal representatives; the undersigned
ASSIGN applicat ASSIGN	AND the undersigned hereby agrees to transfer a like interestion for and obtaining original, divisional, reissued or extended Letwie VEE, its successors, assigns and legal representatives, and without ions for patent based thereon, growing out of or related to the VEE, its successors, assigns and legal representatives, deemed essention hereby transferred.	ters Patent of the United States, upon request of the said further remuneration, in and to any improvements, and said invention; and to execute any papers by the said
SIGNEI	O on the date indicated aside my signature:	***
	Thon Thy Law	June ->3, 2014
INMINE	LINGULIUV LIPA VV. AZ	Date:

PATENT REEL: 033195 FRAME: 0174

RECORDED: 06/27/2014