### PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date	
Chun Hsiung TSAI	12/12/2011	
Tsan-Chun WANG	12/12/2011	
Su-Hao LIU	12/12/2011	
Tsz-Mei KWOK	12/12/2011	
Chii-Ming WU	12/12/2011	

#### 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:	13324331

#### CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	T5057-639
NAME OF SUBMITTER:	Randy A. Noranbrock

Total Attachments: 1

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PATENT REEL: 027375 FRAME: 0089 OP \$40,00 1332433

Docket No.: T5057-639

## ASSIGNMENT

In consideration of the premises and other good and	I valuable consideration i	in hand paid.	the receipt and su	ifficiency of
which is hereby acknowledged, the undersigned,			р	

1) Chun Hsiung TSAI

4) Tsz-Mei KWOK

Tsan-Chun WANG

5) Chii-Ming WU

Su-Hao LIU

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

# MECHANISMS FOR FORMING STRESSOR REGIONS IN A SEMICONDUCTOR DEVICE

- for which an application for United States Letters Patent was filed on States Patent Application No.  $\frac{2011-12-13}{5}$ , and identified by United States Patent Application No.  $\frac{13}{324}$ ,  $\frac{331}{332}$ ; or (a)
- (b) for which an application for United States Letters Patent was executed on \_\_\_\_\_

and the undersigned hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefore and any and all extensions, divisions, reissues, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agrees to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the date indicated aside my signature:

1) V. Chun Hsiung Tsai

2) Tran - Chun Wang
Name: Tsan-Chun WANG

3) V Su-Hau LIU
Name: Su-Hau LIU

4) V TSZ - Mei KWOK

Name: Tsz-Mei KWOK

5) Ming Mu

Name: Chii-Ming WU

レン6川、11、12 Date:

V 2011-12\_12 Date:

V 2011.12.12 Date:

Date:

**PATENT** REEL: 027375 FRAME: 0090

**RECORDED: 12/13/2011**