

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Ka-Hing FUNG</td><td>09/13/2010</td></tr><tr><td>Wei-Yuan LU</td><td>09/13/2010</td></tr><tr><td>Han-Ting TSAI</td><td>09/13/2010</td></tr></tbody></table>		Name	Execution Date	Ka-Hing FUNG	09/13/2010	Wei-Yuan LU	09/13/2010	Han-Ting TSAI	09/13/2010		
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RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD.</td></tr><tr><td>Street Address:</td><td>No. 8, Li-Hsin Rd. VI, Hsinchu Science Park</td></tr><tr><td>City:</td><td>Hsinchu</td></tr><tr><td>State/Country:</td><td>TAIWAN</td></tr><tr><td>Postal Code:</td><td>300</td></tr></table>		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
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PROPERTY NUMBERS Total: 1											
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Application Number:	13274558										
CORRESPONDENCE DATA											
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Total Attachments: 1 source=efiledassgn#page1.tif											

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PATENT

501692831

REEL: 027070 FRAME: 0471

## 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) Ka-Hing FUNG
- 2) Wei-Yuan LU
- 3) Han-Ting TSAI

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

### **METHODS OF FORMING INTEGRATED CIRCUITS**

(a) for which an application for United States Letters Patent was filed on 9-21-2010, and identified by United States Patent Application No. 12/886,743; or

(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) ✓ Ka-Hing FUNG  
Name: Ka-Hing FUNG

2) ✓ Wei-Yuan LU  
Name: Wei-Yuan LU

3) ✓ Han-Ting TSAI  
Name: Han-Ting TSAI

✓ 9/13/2010  
Date:

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Date:

✓ 9/13/2010  
Date: