

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>King-Yuen WONG</td> <td>02/24/2011</td> </tr> <tr> <td>Ming-Lung CHENG</td> <td>02/26/2011</td> </tr> <tr> <td>Chien-Tai CHAN</td> <td>02/24/2011</td> </tr> <tr> <td>Da-Wen LIN</td> <td>02/24/2011</td> </tr> <tr> <td>Chung-Cheng WU</td> <td>02/24/2011</td> </tr> </tbody> </table>		Name	Execution Date	King-Yuen WONG	02/24/2011	Ming-Lung CHENG	02/26/2011	Chien-Tai CHAN	02/24/2011	Da-Wen LIN	02/24/2011	Chung-Cheng WU	02/24/2011
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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													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13710078</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13710078								
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CORRESPONDENCE DATA													
Fax Number:	7035185499												
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NAME OF SUBMITTER:	Randy A. Noranbrock												
Total Attachments: 1 source=efiledassgn#page 1.tif													

OP \$40.00 13710078

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) King-Yuen WONG
- 2) Ming-Lung CHENG
- 3) Chien-Tai CHAN
- 4) Da-Wen LIN
- 5) Chung-Cheng WU

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 3-8-2011, and identified by United States Patent Application No. 13/042,539; 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) King Yuen WONG
Name: King-Yuen WONG

2/24/2011
Date:

2) Ming-Lung CHENG
Name: Ming-Lung CHENG

2/26/2011
Date:

3) Chien-Tai Chan
Name: Chien-Tai CHAN

2/24/2011
Date:

4) Da-Wen Lin.
Name: Da-Wen LIN

2/24/2011
Date:

5) Chung-Cheng Wu.
Name: Chung-Cheng WU

2/24/2011
Date: