

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>Jiann-Tyng TZENG</td> <td>05/25/2012</td> </tr> <tr> <td>Chih-Liang CHEN</td> <td>05/25/2012</td> </tr> <tr> <td>Yi-Feng CHEN</td> <td>05/25/2012</td> </tr> <tr> <td>Kam-Tou SIO</td> <td>05/25/2012</td> </tr> <tr> <td>Shang-Chih HSIEH</td> <td>05/25/2012</td> </tr> <tr> <td>Helen Shu-Hui CHANG</td> <td>05/25/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jiann-Tyng TZENG	05/25/2012	Chih-Liang CHEN	05/25/2012	Yi-Feng CHEN	05/25/2012	Kam-Tou SIO	05/25/2012	Shang-Chih HSIEH	05/25/2012	Helen Shu-Hui CHANG	05/25/2012
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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>13481270</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13481270										
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Application Number:	13481270														
CORRESPONDENCE DATA															
Fax Number:	(703)518-5499														
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OP \$40.00 13481270

NAME OF SUBMITTER:

Randy A. Noranbrock

Total Attachments: 2

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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) Jiann-Tyng TZENG
- 2) Chih-Liang CHEN
- 3) Yi-Feng CHEN
- 4) Kam-Tou SIO
- 5) Shang-Chih HSIEH
- 6) Helen Shu-Hui CHANG

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

INTEGRATED CIRCUIT LAYOUT HAVING MIXED TRACK STANDARD CELL

(a) for which an application for United States Letters Patent was filed on 2012-05-25, and identified by United States Patent Application No. 13/481,270; 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) Jiann-Tyng Tzeng
Name: Jiann-Tyng TZENG

5.25.2012
Date:

2) Chih-Liang Chen
Name: Chih-Liang CHEN

5.25.2012
Date:

3) Yi-Feng Chen
Name: Yi-Feng CHEN

5.25.2012.
Date:

4) Kam-Tou Sio
Name: Kam-Tou SIO

5, 25, 2012.
Date: /

5) Shang-chih Hsieh
Name: Shang-Chih HSIEH

5.25.2012
Date:

6) Helen
Name: Helen Shu-Hui CHANG

5-25-2012
Date: