

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Chun-Wei HSU</td> <td>12/29/2011</td> </tr> <tr> <td>Jiun-Lei Jerry YU</td> <td>01/03/2012</td> </tr> <tr> <td>Fu-Wei YAO</td> <td>12/29/2011</td> </tr> <tr> <td>Chen-Ju YU</td> <td>12/29/2011</td> </tr> <tr> <td>Po-Chih CHEN</td> <td>12/29/2011</td> </tr> <tr> <td>King-Yuen WONG</td> <td>12/29/2011</td> </tr> </tbody> </table>		Name	Execution Date	Chun-Wei HSU	12/29/2011	Jiun-Lei Jerry YU	01/03/2012	Fu-Wei YAO	12/29/2011	Chen-Ju YU	12/29/2011	Po-Chih CHEN	12/29/2011	King-Yuen WONG	12/29/2011
Name	Execution Date														
Chun-Wei HSU	12/29/2011														
Jiun-Lei Jerry YU	01/03/2012														
Fu-Wei YAO	12/29/2011														
Chen-Ju YU	12/29/2011														
Po-Chih CHEN	12/29/2011														
King-Yuen WONG	12/29/2011														
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															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13339052</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13339052										
Property Type	Number														
Application Number:	13339052														
CORRESPONDENCE DATA															
Fax Number:	(703)518-5499														
Phone:	7036841111														
Email:	tsmc@ipfirm.com														
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>															
Correspondent Name:	Lowe Hauptman Ham & Berner, LLP (TSMC)														
Address Line 1:	1700 Diagonal Road, Suite 300														
Address Line 4:	Alexandria, VIRGINIA 22314														
ATTORNEY DOCKET NUMBER:	T5057-661														

OP \$40.00 13339052

NAME OF SUBMITTER:

Randy A. Noranbrock

Total Attachments: 2

source=efiledassgn2012-03-19#page1.tif

source=efiledassgn2012-03-19#page2.tif

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) Chun-Wei HSU
- 2) Jiun-Lei Jerry YU
- 3) Fu-Wei YAO
- 4) Chen-Ju YU
- 5) Po-Chih CHEN
- 6) King-Yuen WONG

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

HIGH ELECTRON MOBILITY TRANSISTOR AND METHOD OF FORMING THE SAME

- (a) for which an application for United States Letters Patent was filed on December 28, 2011, and identified by United States Patent Application No. 13/339,052; 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) Chun Wei HSU
Name: Chun-Wei HSU

29/12/2011
Date:

2) Jiun-Lei Jerry YU
Name: Jiun-Lei Jerry YU

03/01/2012
Date:

3) _____
Name: Fu-Wei YAO
Fu-wei YAO

Date: 29/12/2011

4) Chen-Ju Yu
Name: Chen-Ju YU

29/12/2011
Date:

5) Chen Po-chih
Name: Po-Chih CHEN

29/12/2011
Date:

6) King-Yuen Wong
Name: King-Yuen WONG

28/12/2011
Date: