PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Ker Hsiao HUO	07/17/2011
Ru-Yi SU	07/17/2011
Fu-Chih YANG	07/17/2011
Chun Lin TSAI	07/18/2011
Chih-Chang CHENG	07/18/2011

RECEIVING PARTY DATA

Name:	Taiwan Semiconductor Manufacturing Co., Ltd.
Street Address:	No. 8, Li-Hsin Road 6
Internal Address:	Science-Based Industrial Park
City:	Hsin-Chu
State/Country:	TAIWAN
Postal Code:	300-77

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13186660

CORRESPONDENCE DATA

Fax Number: (215)689-4905

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 215-979-1000

Email: jsjiulianti@duanemorris.com

Correspondent Name: DUANE MORRIS LLP (TSMC) IP DEPARTMENT

Address Line 1: 30 SOUTH 17TH STREET

Address Line 4: PHILADELPHIA, PENNSYLVANIA 19103-4196

ATTORNEY DOCKET NUMBER:	N1085-00823
NAME OF SUBMITTER:	Mark J. Marcelli

Total Attachments: 3

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Serial No. 13/186,660 filed July 20, 2011

ATTORNEY DOCKET NO.: 2011.0463/1085.823

ASSIGNMENT AND AGREEMENT

For value received, we, Ker Hsiao HUO, Ru-Yi SU, Fu-Chih YANG, Chun Lin TSAI, and Chih-Chang CHENG, hereby transfer to Taiwan Semiconductor Manufacturing Co., Ltd., with its principal place of business located at No. 8, Li-Hsin Road 6, Science-Based Industrial Park, Hsin-Chu, Taiwan 300-77, Republic of China, and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in provisional application Serial No. 61/491,217 entitled DRAIN TIP OPTIMIZATION IN HIGH VOLTAGE AND ULTRA-HIGH VOLTAGE SEMICONDUCTOR DEVICES, filed May 29, 2011 and also to certain inventions related to HIGH VOLTAGE AND ULTRA-HIGH VOLTAGE SEMICONDUCTOR DEVICES WITH INCREASED BREAKDOWN VOLTAGES described in a nonprovisional application claiming priority to provisional application Serial No. 61/491,217 entitled "Drain Tip Optimization in High Voltage and Ultra-High Voltage Semiconductor Devices, filed May 29, 2011, and under any and all Letters Patent and any divisions, continuations, continuations-in-part, reexamination certificates, reissues, and extensions thereof, or claiming priority therefrom that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Taiwan Semiconductor Manufacturing Co., Ltd. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Taiwan Semiconductor Manufacturing Co., Ltd. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Taiwan Semiconductor Manufacturing Co., Ltd. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Taiwan Semiconductor Manufacturing Co., Ltd. in the United States and in all countries foreign to the United States, or to such nominees as Taiwan Semiconductor Manufacturing Co., Ltd. may designate.

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We agree that, when requested, we shall, without charge to Taiwan Semiconductor Manufacturing Co., Ltd. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Inventor No. 1	
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Dated: \(\frac{1}{\eta_{\infty}} \)

Ker Hsiao HUO

Residence:

2F., No. 247-2, Section 2, Chang'an Road, Xitun District, Taichung City 407, Taiwan, R.O.C.

Inventor No. 2

Dated: 1/2, >01

Pu-Yi Su

Residence:

No. 53, Wenming Road, Kouhu Township, Yunlin County 653, Taiwan, R.O.C.

Inventor No. 3

Dated: V 7/17, 2011

V Fu-Chih Yang

Fu-Chih YANG

Residence:

No. 7, Lane 90, Yonghe Street, Fengshan City, Kaohsiung County 830, Taiwan, R.O.C.

ATTORNEY DOCKET NO.: 2011.0463/1085.823

Inventor No. 4

V Chan La 75B2 Chun Lin TSAI

Residence:

No. 30, Alley 28, Lane 251, Tung-Chung Road, Hsin-Chu, Taiwan, R.O.C.

Inventor No. 5

V Chih-Chang Cheng Chih-Chang CHENG

Residence:

3F., No. 113, Lane 19, Guanxin Road, East District, Hsinchu City 300, Taiwan, R.O.C.

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RECORDED: 07/21/2011

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