

Form PTO-1595  
(Rev. 10/02)  
OMB No. 0651-0027 (exp. 6.30.2005)

# RECORDATION FORM COVER SHEET PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

**Yu-Tzu Chang**

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: March 21, 2008

2. Name and address of receiving party(ies)

Name: **Taiwan Semiconductor Manufacturing Co., Ltd.**

Internal Address: \_\_\_\_\_

Street Address: No. 8, Li-Hsin Road 6

Science Based Industrial Park

City: Hsin-Chu State: Taiwan Zip: 300-77

Additional name(s) & address(es) attached?

☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 03/27/2008

A. Patent Application No.(s)

12/056,648

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Howard Chen, Esq.

Internal Address: \_\_\_\_\_

Street Address: Kirkpatrick & Lockhart Preston

Gates Ellis LLP

55 Second Street, Suite 1700

City: San Francisco State: CA Zip: 94105

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) .....\$ 40.00

Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number:

50-3414

DO NOT USE THIS SPACE

9. Signature:

Howard Chen, Esq.

Reg. No. 46,615

Name of Person Signing



Signature

March 27, 2008

Date

Total number of pages including cover sheet, attachments, and documents:

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

PATENT

REEL: 020726 FRAME: 0399

700365808

CH \$40.00 503414 12056648

Patent Attorney Docket No.: TSMC2007-0622

Attorney Reference No.: 52604-00291

**ASSIGNMENT AND AGREEMENT**

For value received, I/we **Yu-Tzu Chang**, hereby equally sell, assign and 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 their successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **TWO VOLTAGE INPUT LEVEL SHIFTER WITH SWITCHES FOR CORE POWER OFF APPLICATION** described in U.S. Application Number 12/056,648 for Letters Patent of the United States filed on March 27, 2008 and all the rights and privileges in said application and under any and all Letters Patent and any divisions, continuations, continuations-in-part, reexamination certificates, reissues, and extensions thereof that may be granted in the United States for said inventions; and I/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.

I/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 me/us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I/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.

I/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.

I/We agree that, when requested, I/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.

Patent Attorney Docket No.: TSMC2007-0622

Attorney Reference No.: 52604-00291

Inventor No. 1:

Dated: 2008 3, 21

Yu-Tzu Chang  
Signature

Printed Name: Yu-Tzu Chang

Mailing and Residence: 2F., No. 12, Lane 17, Jiaoling St., Miaoli City, Miaoli County,  
Taiwan 360

Citizenship: Taiwan

**Preston|Gates|Ellis** LLP

FAX COVER SHEET

TO: BOX ASSIGNMENT FAX NO: (571) 273-0140  
USPTO Assignments Division  
COMPANY: Commissioner of Patents & Trademarks CONFIRMATION NO:  
FROM: Howard Chen, Esq. REFERENCE NO: Our Ref. 1152604-00291  
DATE: March 28, 2008 TOTAL NUMBER OF PAGES INCLUDING THIS COVER SHEET: 4

IF YOU DO NOT RECEIVE ALL OF THE PAGES, PLEASE CONTACT (415) 882-8200.

In Re: U.S. Patent Appln. No.: 12/056,648

MESSAGE:

Please record the attached new Assignment document and send confirm receipt of same to 415-882-8107.

Thank you for your kind assistance!

The information contained in this facsimile is confidential and may also be attorney-privileged. The information is intended only for the use of the individual or entity to whom it is addressed. If you are not the intended recipient, or the employee or agent responsible for delivering it to the intended recipient, you are hereby notified that any use, dissemination, distribution or copying of this communication is strictly prohibited. If you have received the facsimile in error, please immediately notify us by a collect telephone call to (415) 882-8200, and return the original message to us via the U.S. Postal Service. Thank you.

A LAW FIRM

A LIMITED LIABILITY PARTNERSHIP INCLUDING OTHER LIMITED LIABILITY ENTITIES

55 SECOND STREET, SUITE 1700 SAN FRANCISCO, CA 94105-3493 TEL: (415) 882-8200 FAX: (415) 882-8220 WWW.PRESTONGATES.COM  
Anchorage Beijing Coeur d'Alene Hong Kong Orange County Portland San Francisco Seattle Spokane Taipei Washington

**PATENT**

RECORDED: 03/28/2008

REEL: 020726 FRAME: 0402