

08-04-2004

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U.S. DEPARTMENT OF COMMERCE  
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To the Honorable Commissioner of



102805626

and original documents or copy thereof.

22387 U.S. PTO  
10/898786

072604

## 1. Name of conveying part(ies):

(1) Fang-Shi LAI

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

## 2. Name and address of receiving party(ies)

Name: Taiwan Semiconductor Manufacturing  
Co., Ltd.Street Address: No. 8, Li-Hsin Rd. 6,  
Science-Based Industrial Park  
Hsin-Chu, Taiwan 300-77,  
R.O.C.Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other:

7-26-04

Execution Date: April 7, 2004

## 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:  
April 7, 2004

A. Patent application No.(s)

B. Patent No.(s)

10/898786

Additional numbers attached? ☐ Yes ☒ No

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

**Daniel R. McClure**  
**Thomas, Kayden, Horstemeyer & Risley, L.L.P.**  
100 Galleria Parkway, Suite 1750  
Atlanta, Georgia 30339-5948

## 6. Total number of applications/patents involved: [ 1 ]

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

☐ Enclosed  
☒ Authorization to charge credit card (attached)

## 8. Deposit Account Number:

20-0778

(Attach duplicate copy of this page if paying by Deposit Account)

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## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.***Daniel R. McClure**

Typed Name

Signature

July 26, 2004

Date

Docket #: 252011-2030

Total number of pages including cover sheet, attachments, and document: [2]

Mail documents to be recorded with required cover sheet information to:

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08/04/2004 TBESHMH1 00000032 10698786

40.00 DP

## ASSIGNMENT

WHEREAS, Fang-Shi LAI  
hereafter referred to as ASSIGNOR, has/have invented certain new and useful improvements as described and set forth in the below identified application for United States Letters Patent:

Title: CIRCUIT FOR POWER MANAGEMENT OF STANDARD CELL APPLICATION

Filed: \_\_\_\_\_ Serial No. \_\_\_\_\_

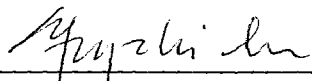
Executed on: April 7, 2004

WHEREAS, Taiwan Semiconductor Manufacturing Co., Ltd. of  
No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park, Hsin-Chu,  
Taiwan 300-77, R.O.C. hereinafter referred to as ASSIGNEE, is desirous of  
acquiring ASSIGNOR'S interest in the said invention and application and in any U.S. Letters  
Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for  
good and valuable consideration, receipt of which is hereby acknowledged by Assignor,  
Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign and  
transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their rights,  
title and interest in and to the said invention and application and all future improvements  
thereon, and in and to any Letters Patent which may hereafter be granted on the same in the  
United States, the said interest to be held and enjoyed by said Assignee as fully and exclusively  
as it would have been held and enjoyed by said Assignor had this Assignment and transfer not  
been made, to the full end and term of any Letters Patent which may be granted thereon, or of  
any division, renewal, continuation in whole or in part, substitution, conversion, reissue,  
prolongation or extension thereof.

Assignor further agrees/agree that he/she/they will, without charge to said  
Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said  
application and/or applications, execute, verify, acknowledge and deliver all such further  
papers, including applications for Letters Patent and for the reissue thereof, and instruments of  
assignment and transfer thereof, and will perform such other acts as Assignee lawfully may  
request, to obtain or maintain Letters Patent for said invention and improvement, and to vest  
title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the  
date(s) indicated.

  
\_\_\_\_\_  
Fang-Shi LAI

4/7/04  
\_\_\_\_\_  
Date: