

06-09-2005

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PATENT



103018297

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

- (1) Chi-Feng HUANG
- (2) Chun-Hon CHEN
- (3) Shy-Chy WONG
- (4) Chih-Hsien LIN

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) April 17, 2002

- ☒ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ Joint Research Agreement
- ☐ Government Interest Assignment
- ☐ Executive Order 9424, Confirmatory License
- ☐ Other \_\_\_\_\_

2. Name and address of receiving party(ies)

Name: Taiwan Semiconductor Manufacturing Co, Ltd.

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

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

Science-Based Industrial Park

City: Hsin-Chu

State: \_\_\_\_\_

Country: Taiwan, R.O.C. Zip: 300-77

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11/001,767

B. Patent No.(s)

06/06/2005 STEUMEL1 00000030 11143229

04 FC 8021

(40.00 DP)

Additional numbers attached? ☐ Yes ☐ No

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

Name: Daniel R. McClure

Internal Address: Thomas, Kayden, Horstemeyer & Risley, LLP

Street Address: 100 Galleria Parkway

Suite 1750

City: Atlanta

State: Georgia Zip: 30339

Phone Number: 770-933-9500

Fax Number: 770-951-0933

Email Address: dan.mcclure@tkhr.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☒ Authorized to be charged by credit card
- ☐ Authorized to be charged to deposit account
- ☐ Enclosed
- ☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 1009  
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b. Deposit Account Number \_\_\_\_\_

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9. Signature:

Daniel R. McClure

Signature

June 2, 2005

Date

Daniel R. McClure

Name of Person Signing

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

3

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Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT  
REEL: 016656 FRAME: 0865

TS01-1195

For ☒ U.S. and/or ☒ Foreign Rights

For ☒ Application or ☐ U.S. Patent

By ☒ Inventor(s) or ☐ Present Owner

### ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

#### ASSIGNOR:

**CHI-FENG HUANG**

Type or print name of ASSIGNOR

No. 15, Lane 210, Shianji Rd.  
Address

Shiayuan Shiang, Pingtung, Taiwan

Republic of China  
Nationality

**CHUN-HON CHEN**

Type or print name of ASSIGNOR

121 Park Ave. Rd. 3, Science-Based Industrial Park  
Address

Hsin-Chu, Taiwan, Republic of China

Republic of China  
Nationality

**SHY -CHY WONG**

Type or print name of ASSIGNOR

157-5, No. 187, Hark-Gu Rd.  
Address

Taipei, Taiwan

Republic of China  
Nationality

**CHIH-HSIEN LIN**

Type or print name of ASSIGNOR

5F 4, Alley 7 Lane 298  
Address

Kiang-Fu Rd II Hsin-Chu, Taiwan

Taiwan  
Nationality

#### ASSIGNEE:

**Taiwan Semiconductor Manufacturing Co. Ltd.**

**121 Park Ave. 3**

**Science-Based Industrial Park**

**Hsin-Chu, Taiwan, R.O.C.**

**Taiwan, R.O.C.**

Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

☒ the entire right, title and interest

☐ an undivided \_\_\_\_\_ percent (\_\_\_\_%) interest for the United States and its territorial possessions  
(check the following box if foreign rights are also to be assigned)

☒ and in all foreign countries

in and to any and all improvements which are disclosed in the invention entitled:

**A Novel Method To Fabricate High Reliable Metal Capacitor Within Copper Back-End Process**

and which is found in

- (a) ☒ U.S. patent application executed on even date herewith  
(b) ☐ U.S. patent application executed on \_\_\_\_\_  
(c) ☐ U.S. application serial no. \_\_\_\_\_ filed on \_\_\_\_\_  
(d) ☐ U.S. patent no. \_\_\_\_\_ issued \_\_\_\_\_  
(e) ☐ and any legal equivalent thereof in a foreign country, including the right to claim priority  
(also check (e) if foreign application(s) is also being assigned)

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute, thereof, and as to letters patent any re-issue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

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IN WITNESS WHEREOF, I / We have signed this

Apr 17, 2002 (Date of signing)

**WARNING** Date of signing must be the same as the date of execution of the application if item (a) was checked above.

Chen-Hong Wang  
Signature of ASSIGNOR(S)  
Shy-chy Wang  
Chen-Hong Wang

If ASSIGNOR is a legal entity complete the following information

\_\_\_\_\_  
Type or print the name of the above person authorized to sign on behalf of ASSIGNOR

\_\_\_\_\_  
Title

Note: No witnessing, notarization or legalization is necessary, if the assignment is notarized or legalized then it will only be prima facie evidence (35 USC 261). Use next page if notarization is desired.

\_\_\_\_\_  
Notarization of Legalization Page Added.