

03-11-2004

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(Rev. 10/02)

OMB No. 0651-0027 (exp. 6/30/2005)

To the Honorable Commissioner of Patents

102691075

all documents or copy thereof.

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

- (1) Yuh-Fong HWANG  
(2) Chen-Yu CHANG  
(3) Chiech-Yi KUO  
(4) Wen-Yao CHEN

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:

Execution Date: February 4, 2004

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

101792246

If this document is being filed together with a new application, the execution date of the application is:  
February 4, 2004

A. Patent application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

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03/06/2004 HLE333 00000122 10792246

04 FEB 2004

40.00 DP

## 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:

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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

*Daniel R. McClure*

Signature

March 3, 2004

Date

Docket #: 252011-1950

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PATENT

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# ASSIGNMENT

WHEREAS, Yuh-Fong HWANG, Chen-Yu CHANG, Chiech-Yi KUO and Wen-Yao CHEN 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: METHOD AND SYSTEM FOR MASK FABRICATION PROCESS CONTROL

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

Executed on: February 4, 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.

Yuh-Fong Hwang  
Yuh-Fong HWANG

Feb. 4. 2004  
Date:

Chen-Yu Chang  
Chen-Yu CHANG

Feb. 4. 2004  
Date:

Chiech-Yi KUO  
Chiech-Yi KUO

Feb. 4 2004  
Date:

Wen-Yao Chen  
Wen-Yao CHEN

Feb. 4, 2004  
Date: