

09-25-2006

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



103311374

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):

Chun-Jen HSIEH (8/23/2006), Chi-Kang PENG (8/23/2006), Wen-Hao YANG (8/23/2006), and Hung-Tai TSAO (8/23/2006)

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

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

Execution Date(s): in parentheses after inventor name

☒ Assignment ☐ Merger ☐ Change of Name

☐ Security Agreement ☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other

2. Name and address of receiving party(ies)

TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.

Name: _____

Internal Address: _____

Street Address: _____

No. 8, Li-Hsin Rd. 6
Science-Based Industrial Park

City: _____ Hsin-Chu

State: _____

Country: _____ Taiwan ROC 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)

NEW

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Joe McKinney Muncy
BIRCH, STEWART, KOLASCH & BIRCH, LLP

Internal Address: Atty. Dkt.: 0941-1740PUS1

Street Address: 8110 Gatehouse Road
Suite 100 East
P.O. Box 747

City: _____ Falls Church

State: _____ VA Zip: 22040-0747

Phone Number: _____ (703) 205-8026

Fax Number: _____ (703) 205-8050

Email Address: _____ mailroom@bskb.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 _____
Expiration Date _____

b. Deposit Account Number _____
Authorized User Name _____

9. Signature:

Signature

Joe McKinney Muncy - 32,334

Name of Person Signing

September 19, 2006

Date

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

3

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(40.00 DP)

Birch, Stewart, Kolasch & Birch, LLP

KM/smt

PATENT
REEL: 018316 FRAME: 0541

ASSIGNMENT

WHEREAS, Chun-Jen HSIEH, Chi-Kang PENG, Wen-Hao YANG and Barry TSAO 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 APPARATUS FOR CLEANING SPIN COATER

Filed: September 19, 2006 Serial No. NEW

Executed on: August 23, 2006

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.

Chun-Jen HSIEH
Chun-Jen HSIEH

8/23/06
Date:

Chi-Kang PENG
Chi-Kang PENG

8/23/06
Date:

Wen-Hao YANG
Wen-Hao YANG

8/23/2006
Date:

Hung-Tai TSAO
Hung-Tai TSAO

8/23/2006
Date: