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RECORDATION FORM  
**PATENTS ONLY**

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

1. Name of conveying party(ies):  
1) Kuei Shun Chen  
2) Chin-Hsiang Lin  
3) Chih-Cheng Chiu  
Additional name(s) of conveying party(ies) attached?  Yes  No

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: \_\_\_\_\_ Zip: \_\_\_\_\_  
Country: Taiwan, 300-77 R.O.C.  
Additional name(s) & address(es) attached?  Yes  No

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3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
Execution Date: 01/25/2005

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: 01/25/2005  
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:  
Name: William H. Murray  
Internal Address: \_\_\_\_\_  
Street Address: Duane Morris LLP  
One Liberty Place  
City: Philadelphia State: PA Zip: 19103-7396

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:  
04-1679

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9. Signature.

Richard A. Paikoff  
Name of Person Signing

Richard A. Paikoff  
Signature

January 27, 2005  
Date

02/10/2005 DBYRNE 00000026 041679 Total number of pages including cover sheet, attachments, and documents: 3

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Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
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ATTORNEY DOCKET NO.: 2003.1647CIP/1085.00324

**ASSIGNMENT AND AGREEMENT**

For value received, we, **Kuei Shun Chen, Chin-Hsiang Lin, and Chih-Cheng Chiu** hereby 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 its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **UTILIZING COMPENSATION FEATURES IN PHOTOLITHOGRAPHY FOR SEMICONDUCTOR DEVICE FABRICATION** described in an application for Letters Patent of the United States and all the rights and privileges in said applications 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 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.

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

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.

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.

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We agree that, when requested, 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.

Inventor No. 1

Dated: 1/25/2005

Kuei Shun Chen  
Kuei Shun Chen

Residence:

5 F., 22 634 Lane, Nan-Da Road, Hsin-Chu, Taiwan 300, R.O.C.

Inventor No. 2

Dated: 1/25/2005

Chin-Hsiang Lin  
Chin-Hsiang Lin

Residence:

No. 37, Lane 393, Min-hu Road, Hsin-Chu, Taiwan 300, R.O.C.

Inventor No. 3

Dated: 1/25/2005

Chih-Cheng Chiu  
Chih-Cheng Chiu

Residence:

No. 133, Yongle Street, Xinzhung City, Taipei Country 242, Taiwan, R.O.C.