

06-20-2000

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To the Honorable Commissioner of Patents a.

documents or copy thereof.

1. Name of conveying party(ies):

**JING-CHENG LIN, SHAU-LIN SHUE AND
CHEN-HUA YU**

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

Name: **Taiwan Semiconductor Manufacturing
Company**

Internal Address:

Street Address:

**121 Park Ave. 3
Science-Based Industrial Park
City: Hsin-Chu Zip:
Country: Taiwan, R.O.C.**Additional name(s) or conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ other _____Execution Date: **4/10/00**Additional name(s) & address(es) attached? Yes ☒ No

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

69583401If this document is being filed together with a new application, the execution date of the application is: **4/10/00**A. Patent Application No(s)B. Patent No(s)Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence
concerning document should be mailed:Name: **GEORGE O. SAILE**

Internal Address: _____

Street Address: **20 MCINTOSH DRIVE**City: **POUGHKEEPSIE** State: **NY** ZIP: **12603**6. Total no. of applications and patents involved: **1**7. Total fee (37 CFR 3.41): **\$ 40.00**☐ Enclosed☒ Authorized to be charged to deposit acct.8. Deposit account number: **19-0033**

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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***STEPHEN B. ACKERMAN**

Name of Person Signing

Signature

May 23, 2000

Date

Total number of pages comprising cover sheet: **3**JCS20 U.S. PTO
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For ☒ U.S. and/or ☒ Foreign Rights

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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:

JING - CHENG LIN
Type or print name of ASSIGNOR

NO 64, SEC 1, PEI-HSIN RD.,
Address

CHU TUNG ZHEN, HSINCHU COUNTRY, TAIWAN. Hsinchu, Taiwan

Republic of China
Nationality

SHAU - LIN SHUE
Type or print name of ASSIGNOR

5F, NO 25, Alley 6, Lane 485, Kwong-Fu Rd. I,
Address

Republic of China
Nationality

CHEN - HUA YU
Type or print name of ASSIGNOR

5F, 38 waterfront rd. II
Address

Hsin-chu, Taiwan
Republic of China
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/f 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:

Improved Barrier Adhesion To Low-K Dielectric Layers In A Copper Damascene 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 _____
(also check (e) if foreign application(s) is also being assigned)
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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. 10, 2000 (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.

Jay-Cheng Lin
Signature of ASSIGNOR(S)
Shahid Shes
Chen-an yu

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.