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Name of conveying party(ies)

CHEN-HUA YU, SYUN-MING JANG,
WENG CHANG AND YAO-YI CHENGNRD
1-19-99

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.jc518 U.S. PTO
09/234059

01/19/99

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

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- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ the

Execution Date: 12/15/98Additional name(s) & address(es) attached? Yes ☐ No ☒

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

09 / 234,059

If this document is being filed together with a new application the execution date of the application is 12/15/98A. 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 GEORGE O. SAILE

Internal Address:

Street Address 20 MCINTOSH DRIVECity POUGHKEEPSIE State NY ZIP 126036. Total no. of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00☐ Enclosed☒ Authorized to be charged to deposit acct8. Deposit account number: 19-0033

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GEORGE O. SAILE

Name of Person Signing

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SignatureJanuary 13, 1999

Date

Total number of pages comprising cover sheet: 3

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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.

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

A Method Of Optimizing Device Performance Via Use Of Copper Damascene Structures, And HSQ/FSG, Hybrid Low Dielectric Constant Materials

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 _____
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12/17/78 (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.

[Signature]
Signature of ASSIGNOR(S)

[Signature]
[Signature]
[Signature]

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 U.S.C. 311). Use next page if notarization is desired.)

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