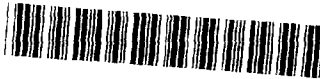


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1. Name of conveying party(ies):

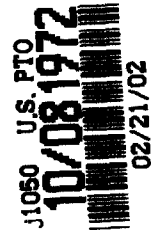
CHIH-HAO LIN, BU-FANG CHEN, FEI-WEN
CHENG

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: 7/16/01Additional name(s) & address(es) attached? Yes ☒ No

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

10081972

If this document is being filed together with a new application, the execution date of the application is: 7/16/01

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 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 acct.

8. Deposit account number: 19-0033

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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 documentSTEPHEN B. ACKERMAN

Name of Person Signing

Stephen B. Ackerman

Signature

2/21/02

Date

For ☒ U.S. and/or ☒ Foreign Rights

For ☒ Application or ☐ U.S. Patent

By ☒ Inventor(s) or ☐ Present Owner

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

CHIN-HAO LIN

Type or print name of ASSIGNOR

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Nationality

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ASSIGNEE

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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 if 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:

NITRIDE DEPOSITION WAFER TO WAFER NATIVE OXIDE UNIFORMITY IMPROVEMENT FOR 0.35
FLASH ERASE PERFORMANCE BY ADDING THERMAL OXIDE OXIDATION 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 _____
(e) ☐ and any legal equivalent thereof in a foreign country, including the right to claim priority
(also check (e) if foreign application(s) is also being assigned)

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.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof

IN WITNESS WHEREOF, I / We have signed this

CHIH-HAO LIN July 16, 2002 (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.

CHIH-HAO LIN
Signature of ASSIGNOR(S)
Bar-Fang Chen
Fei-Wen, Cheng

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 or Legalization Page Added