

08-18-1998

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To the Honorable Commissioner of P.

original documents or copy thereof

1. Name of conveying party(ies):

SHOU-ZEN CHANG, CHAOCHIEH TSAI,
CHIN-HSIUNG HO AND CHENG KUN LIN

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
☐ otherExecution Date: 7/7/98Additional name(s) & address(es) attached? Yes ☐ No ☒

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: 7/7/98A. Patent Application No(s)B. Patent No(s)

09/131321

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence
concerning document should be mailedName: 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

(Attach duplicate copy of this page if paying by deposit account)

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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 documentGEORGE O. SAILE

Name of Person Signing

George O. Saile 8/5/98

Signature

Date

Total number of pages comprising cover sheet: 3

PATENT

REEL: 9380 FRAME: 0770

MRD 8-7-98

Jc514 U.S. PTO
09/131321
08/07/98

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

<u>SHOU-ZEN CHANG</u> Type or print name of ASSIGNOR	<u>CHIAU-CHIH TSAI</u> Type or print name of ASSIGNOR
<u>Fr. 12. NO. 552-1. SEC. 4 Chung-Shin</u> Address	<u>104. 6th St. Tainan-King Rd.</u> Address
<u>Rd. Chu-Tung. Hsin-Chu.</u> Nationality	<u>Taiwan, Republic of China</u> Nationality

<u>CHIN-HSIUNG HO</u> Type or print name of ASSIGNOR	<u>CHENG LIAO JEN</u> Type or print name of ASSIGNOR
<u>1065 PAINTBRUSH DRIVE</u> Address	<u>No. 11. Tien H. Sun - h</u> Address
<u>SUNNYVALE, CA 94086 USA</u> Nationality	<u>Taiwan, Republic of China</u> 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

Silicon And Arsenic Double Implanted Pre-Amorphization Process For Salicide Technology

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

July 7, 1998 (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.

Shou-Zen Chang
Signature of ASSIGNOR(S):
Shou-Zen Chang
Chin Hing Ho
Chin Hing Ho

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

RECORDED: 08/07/1998

PATENT
REEL: 9380 FRAME: 0772