

12-24-2002

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

1. Name of conveying party(ies):

12-13-02

HSIEN-KUANG CHIU, FANG-CHENG CHEN,
HAUR-YWH CHEN, HUN-JAN TAO, YUAN-HUNG
CHIUAdditional name(s) or conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance

- ☒ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ other _____

Execution Date: 8/29/02

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) & address(es) attached? Yes ☒ No

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

10318459

If this document is being filed together with a new application, the execution date of the application is: 8/29/02A. 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: 28 DAVIS AVENUECity: 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 documentSTEPHEN B. ACKERMAN

Name of Person Signing

Signature

12/13/02

Date

JCES7 U.S. PTO
10/318459
12/13/02

PATENT

REEL: 013593 FRAME: 0424

For ☒ U.S. and/or ☒ Foreign RightsFor ☒ Application or ☐ U.S. PatentBy ☒ 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:**HSIEN-KUANG CHIU**

Type or print name of ASSIGNOR

7F-2, No. 121, Sec. 1, Guangfu
Address
Rd., Lane 89, HsinchuTaiwan, Republic of China
Nationality**FANG-CHENG CHEN**

Type or print name of ASSIGNOR

18F-5, No. 177, Wu-Ling Rd.,
Address
Hsin-chu, TaiwanRepublic of China, Taiwan
Nationality**HAUR-YWH CHEN**

Type or print name of ASSIGNOR

1F, No. 1, Lane 120, Leren Rd.,
Address
Lingya Chiu, KachsiungTaiwan, Republic of China
Nationality**YUAN-HUNG CHIU**

Type or print name of ASSIGNOR

6F, No. 20, Alley 6, Lane 118, Sec II, Heping Est Rd.,
Address
Taipei, TaiwanRepublic of China, Taiwan
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 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:

Method Of Fabricating A MOSFET Device With Metal Containing Gate Structures

For ☒ U.S. and/or ☒ Foreign RightsFor ☒ Application or ☐ U.S. PatentBy ☒ 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:HUN-JAN TAO

Type or print name of ASSIGNOR

13F-3, No. 17, Lane 175

Address

Wu-Ling Rd., Hsinchu, TaiwanRepublic of China, Taiwan

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
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(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:

Method Of Fabricating A MOSFET Device With Metal Containing Gate Structures

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)
- (e) ☒ and any legal equivalent thereof in a foreign country, including the right to claim priority

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

August 29, 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.

Hsien Kuang Chen
Signature of ASSIGNOR(S)
Hsiang Ching Chen
Haur-Yuh Chen
Jhuan-Juan Chen

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.

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)
- (e) ☒ and any legal equivalent thereof in a foreign country, including the right to claim priority

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.

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IN WITNESS WHEREOF, I / We have signed this

2002, 8, 29 (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.

Mwan-Hung Chui
Signature of ASSIGNOR(S)

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.