

07-09-2001

ET U.S. DEPT. OF COMMERCE
Patent and Trademark

Office



TS00-733

101770489

To the Honorable Commissioner of Patents at

Record the attached original documents or copy thereof.

1. Name of conveying party(ies):

06/18/01

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

YEN-MING CHEN, CHENG YU CHU, KUO-WEI LIN,
CHIOU-SHAN PENG, YANG-TUNG FAN, FU-JIER
FAN, SHIH-JANE LINName: 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: 5/22/01Additional 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: 5/22/01

A. Patent Application No(s)

B. Patent No.(s)

09/883163

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

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

07/06/2001 DBYRNE 00000207 190033 09003163

DO NOT USE THIS SPACE

01 FC:581

40.00 CH

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 6/15/01

Signature

Date

PATENT

REEL: 011943 FRAME: 0550

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:

YEN-MING CHEN
Type or print name of ASSIGNOR
4F, No. 24, Alley 2, Lane 81, Dushine
Address
Rd., Hsinchu, Taiwan, R.O.C.,
Republic of China
Nationality

CHENG-YU CHU
Type or print name of ASSIGNOR
6F1, No. 103, Sanchung 1st Rd.,
Address
Judung Jen, Hsinchu, Taiwan 310.
Republic of china
Nationality

KUO-WEI LIN
Type or print name of ASSIGNOR
17-1 2FL, Ji Yu Road, Judung Jen
Address
Hsinchu, Taiwan, R.O.C.,
Repubic of China
Nationality

CHIOU-SHAN PENG
Type or print name of ASSIGNOR
No. 9, Lane 24, Minshiang 1st St.,
Address
Hsinchu, Taiwan,
R.O.C.
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:

A Dual Layer Photoresist Method For Fabricating A Mushroom Bumping Plating Structure

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:

YANG-TUNG FAN

Type or print name of ASSIGNOR

No. 498, 19th Neighborhood, Shshly Li,

Address

Jubei City, Hsinchu, Taiwan

Republic of China

Nationality

FU-JIER FAN

Type or print name of ASSIGNOR

NO. 32-16, 5th Neighborhood, Mayuan Li,

Address

Jubei City, Hsinchu, Taiwan

Republic of China

Nationality

SHIH-JANE LIN

Type or print name of ASSIGNOR

3F, No. 1, Alley 2, Lane 576

Address

Sec. 1, Guangfu Rd., Hsinchu, 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 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:

A Dual Layer Photoresist Method For Fabricating A Mushroom Bumping Plating Structure

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

5/22-2001 (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.

Fen-Ming Chen.
Signature of ASSIGNOR(S)
Cheng-yu Chen
Knio Wei Lin
Chiou-Shian Peng

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 _____
(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

5/22/01 (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.

Vang-Tung Fan
Signature of ASSIGNOR(s)
Fan-Tin Fan
Shin-Jane Lin

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.