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To the Honorable Commissioner of Patent

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1. Name of conveying party(ies):

HUN-JAN TAO, HUAN-JUST LIN, HUNG-CHANG  
HSIEH, CHU-YUN FU, YING-YING WANG,  
CHIA-SHIUNG TSAI & FANG-CHENG CHENAdditional name(s) or conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance



Assignment



Merger



Security Agreement



Change of Name



other

Execution Date: 10/6/99

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.Additional 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: 10/6/99

A. Patent Application No(s)

B. Patent No(s)

09/443424

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

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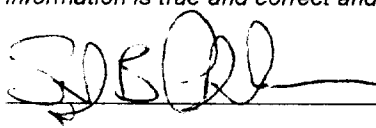
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By ☒ Inventor(s) or ☐ Present Owner

### 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,

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

**Method Of Patterning Narrow Gate Electrode**

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For ☒ Application or ☐ U.S. Patent

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### ASSIGNMENT OF INVENTION

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

**Method Of Patterning Narrow Gate Electrode**

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 \_\_\_\_\_  
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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

10-6-99 (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 of ASSIGNOR(S)  
Juan-Tsueh Lin  
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Chen Yun-Jin

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

\_\_\_\_\_  
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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 264). Use next page if notarization is desired.

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- (a) ☒ U.S. patent application executed on even date herewith
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- (d) ☐ U.S. patent no. \_\_\_\_\_ issued \_\_\_\_\_  
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- (e) ☐ and any legal equivalent thereof in a foreign country, including the right to claim priority

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IN WITNESS WHEREOF, I / We have signed this

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Ying-Ying Wang  
Signature of ASSIGNOR(S)  
Chen Shiang Tsai  
Ying-Ying Wang

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.

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