To the Honorable Commissioner of Patents and Trademarks:

1. Name of conveying party(ies):

CHIARN-LUNG LEE, HAN-CHUNG CHEN AND JE WANG

Additional name(s) or conveying party(ies) attached? Yes ☐ No ☒

3. Nature of conveyance:

☒ Assignment ☐ Merger

☐ Security Agreement ☐ Change of Name

☐ other __________________________

Execution Date: 1/29/99

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: 1/29/99

A. Patent Application No(s) B. Patent No(s)

09/285,533

Additional numbers attached? Yes ☐ No ☒

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: GEORGE O. SAILE

Internal Address: __________________________

Street Address: 20 MCINTOSH DRIVE

City: POUGHKEEPSIE State: NY ZIP: 12603

6. Total no. of applications and patents involved: 1

7. Total fee (37 CFR 3.41): $40.00

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Date

PATENT

REEL: 9917 FRAME: 0039
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:

CHIERN - LUNG LEE
Type or print name of ASSIGNOR

No. 23 Lane 2 Shuang-Hsiu-Hsien-Cheng
Address
Hsin-Chu, Taiwan, R.O.C.

Republic of China
Nationality

HAN - CHUNG CHEN
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No. 23 Lane 2 Shuang-Hsiu-Hsien Chng
Address
Pao-Shan-Hsiang Hsin-Chu-Mision

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Nationality

JE WANG
Type or print name of ASSIGNOR

No. 99, 3 F, B2, Kuang-Hua-2 Street,
Address
Hsin-Chu, Taiwan, R.O.C.

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.

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

X the entire right, title and interest

X an undivided _____ percent (___%) interest for the United States and its territorial possessions

(check the following box if foreign rights are also to be assigned)

X and in all foreign countries

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

Formation of Dielectric Layer Employing High Ozone: Tetra-Ethyl-Ortho-Silicate Ratios During Chemical Vapor Deposition
and which is found in

(a) [x] 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

[Jan, 19, 1999] (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.

Chin-Lung Lin 9/9/99
Hsin-Cho Wu 9/9/99
Te Wang 9/9/99

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.