

05-15-2003

Form PTO-1595
(Rev. 03/01)

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OMB No. 0651-0027 (exp. 5/31/2002)

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102449126

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

1. Name of conveying party(ies):

Chia-Lin Chen
Tze Liang Lee
Shih-Chang Chen

5.13.03

2. Name and address of receiving party(ies)

Name: Taiwan Semiconductor Manufacturing Company,

Internal Address: _____

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

3. Nature of conveyance:



Assignment



Merger



Security Agreement



Change of Name



Other _____

Street Address: No. 6, Li-Hsin Rd. 6

Science-Based Industrial Park

City: Hsin-Chu State: Taiwan Zip: R.O.C.

Execution Date: May 3, 2003

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: _____

A. Patent Application No.(s)

10/395,345

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: David M. O'Dell

Internal Address: _____

Street Address: Haynes and Boone, LLP

901 Main Street, Suite 3100

City: Dallas State: TX Zip: 75202

6. Total number of applications and patents involved: 1

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



Enclosed



Authorized to be charged to deposit account

8. Deposit account number:

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

FINANCE SECTION
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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 document.

David M. O'Dell

Name of Person Signing

Signature

5-7-03

Date

Total number of pages including cover sheet, attachments, and documents: 4

05/14/2003 BT011 00000043 10395345

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

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40.00 DP

R-47075.1

CUSTOMER NO. 27683

DOCKET NO.: 24061.41

PATENT
REEL: 014058 FRAME: 0985

Attorney Docket No.: 24061.41/TSMC2002-1014
Customer No. 27683

ASSIGNMENT

WHEREAS, We

- | | | | |
|-----|-----------------|----|---|
| (1) | Chia-Lin Chen | of | 2F, No.8, Alley 33, Lane 152, Sec. 2,
Chung-Hsing Rd., Chu-Tung, Hsin-Chu,
Taiwan 300, R.O.C. |
| (2) | Tze Liang Lee | of | 4F, No. 74, Lane 250, Wu-Ling Rd.,
Hsin-Chu, Taiwan 300, R.O.C. |
| (3) | Shih-Chang Chen | of | 5F, No. 970, Sec. 4, Chung-Hsing Rd.,
Chu-Tung, Hsin-Chu, Taiwan 300, R.O.C. |

have invented certain improvements in

DEVICE PERFORMANCE IMPROVEMENT BY HEAVILY DOPED PRE-GATE AND POST POLYSILICON GATE CLEAN

for which we have executed an application for Letters Patent of the United States of America, of even date herewith; and

WHEREAS, Taiwan Semiconductor Manufacturing Company, Inc., ("TSMC"), No. 121, Park Avenue 3, Science-Based Industrial Park, Hsin-Chu, Taiwan 300-77, Republic of China is desirous of obtaining the entire right, title, and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and other good and valuable consideration, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said TSMC, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the said invention, and the said application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications from which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said TSMC, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said TSMC, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal,

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substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid the said TSMC, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

First Inventor Name:

Chia-Lin Chen

Residence Address:

2F, No.8, Alley 33, Lane 152, Sec. 2,
Chung-Hsing Rd., Chu-Tung, Hsin-Chu,
Taiwan 300, R.O.C.

Dated: 030502

Chia-Lin Chen

Inventor Signature

Dated: _____

Witness Signature

Witness Name: _____

Second Inventor Name:

Tze Liang Lee

Residence Address:

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Hsin-Chu, Taiwan 300, R.O.C.

Dated: 030502

Tze-liang Lee

Inventor Signature

Dated: _____

Witness Signature

Witness Name: _____

Attorney Docket No.: 24061.41/TSMC2002-1014
Customer No. 27683

Third Inventor Name:
Residence Address:

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Chu-Tung, Hsin-Chu, Taiwan 300, R.O.C.

Dated: 030502

Shih-Chang Chen
Inventor Signature

Dated: _____

Witness Signature
Witness Name: _____

R-42488.1