

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the word "Co." to "Company" in the name of the Assignee previously recorded on Reel 014988 Frame 0514. Assignor(s) hereby confirms the Assignment.

**CONVEYING PARTY DATA**

Name	Execution Date
Jhon Jhy Liaw	10/24/2003

**RECEIVING PARTY DATA**

<b>Name:</b>	Taiwan Semiconductor Manufacturing Company, Ltd.
<b>Street Address:</b>	No. 8, Li-Hsin Road 6
<b>Internal Address:</b>	Science-Based Industrial Park
<b>City:</b>	Hsin-Chu
<b>State/Country:</b>	TAIWAN
<b>Postal Code:</b>	300-77

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	10687424

**CORRESPONDENCE DATA**

Fax Number: (214)200-0853  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
 Phone: (713) 547-2523  
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 Correspondent Name: Dave R. Hofman  
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 Address Line 4: Dallas, TEXAS 75202

<b>ATTORNEY DOCKET NUMBER:</b>	24061.39
<b>NAME OF SUBMITTER:</b>	Dave R. Hofman

Total Attachments: 6

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**PATENT  
 REEL: 017919 FRAME: 0138**

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U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks original documents or copy thereof.

1. Name of conveying party(ies): Jhon Jhy Liaw

2. Name and address of receiving party(ies)

Name: Taiwan Semiconductor Manufacturing Co., Ltd.

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. 8, Li-Hsin Road 6

Science-Based Industrial Park

City: Hsin-Chu State: Taiwan Zip: 300-77

Execution Date: 10/24/03

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) 10/687424

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, Esq.

Internal Address: Haynes and Boone, LLP

Street Address: 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)

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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

Signature

2-13-04

Date

02/20/2004 DBYRNE 00000028 10687424 Total number of pages including cover sheet, attachments, and documents: 3

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40.00 All documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

R-67207

CUSTOMER NO. 27683

DOCKET NO.: 24061.39

PATENT REEL: 017919 FRAME: 0140

**ASSIGNMENT**

WHEREAS, I

Jhon Jhy Liaw                      of            5F, No. 111, Minshiang Street  
Hsin-Chu, Taiwan 300, R.O.C.

has invented certain improvements in

**PROCESS INTEGRATION OF SOI FETS WITH ACTIVE LAYER SPACER**

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, Ltd., ("TSMC"), No. 8, Li-Hsin Rd. 6, 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, I 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 I 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 I HEREBY covenant that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I 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, 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:  
Residence Address:

Jhon Jhy Liaw  
5F, No. 111, Minshiang Street  
Hsin-Chu, Taiwan 300, R.O.C.  
Taiwan, R.O.C.

Dated: ✓ 10/24 2003

✓ Jhon Jhy Liaw  
Inventor Signature

Dated: ✓

✓  
Witness Signature  
Witness Name: \_\_\_\_\_