## Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the address (country) of assignee previously recorded on Reel 016267 Frame 0842. Assignor(s) hereby confirms the assignment from named inventors.

## **CONVEYING PARTY DATA**

Name	Execution Date
Kuo-Chi Tu	01/31/2005

## **RECEIVING PARTY DATA**

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

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11054448

## **CORRESPONDENCE DATA**

(214)200-0853 Fax Number:

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 972-739-8635

Email: ipdocketing@haynesboone.com

Correspondent Name: Haynes and Boone, LLP Address Line 1: 901 Main Street, Suite 3100 Address Line 4: Dallas, TEXAS 75202

NAME OF SUBMITTER: David M. O'Dell

Total Attachments: 5

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**REEL: 016349 FRAME: 0248** 

**PATENT** 500043136

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> PATENT REEL: 016349 FRAME: 0249

2/09/05

	United States Patent and Tradema
To the Director of the U.S. Patent and Trademark Unice.	ned documents or the new address(es) belo
1. Name of conveying party(ies)/Execution Date(s)	2. Name and address of receiving party(ies)
Kuo-Chi Tu	Name: Taiwan Semiconductor Manufacturing Company, Lt
	Internal Address:
_	
Execution Date(s) January 31, 2005  Additional name(s) of conveying party(ies) attached?	Street Address: No. 8, Li-Hsin Road
3. Nature of conveyance:	6, Science-Based Industrial Park
Assignment Merger	City: Hsin-Chu
Security Agreement Change of Name Government Interest Assignment	State:
Executive Order 9424, Confirmatory License	Country: Taiwan, R.O.C. Zip: 300-77
Other	Additional name (c) 6
	Additional name(s) & address(es) attached? Yes
A. Patent Application No.(s)	s document is being filed together with a new applica B. Patent No.(s)
A. Patent Application No.(s)	
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A. Patent Application No.(s) 670H11 00000057 11054448	
A. Patent Application No.(s)  6T0H11 00000057 11054448  40.00 0P  Additional numbers	
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A. Patent Application No.(s)  6TON11 00000057 11054448  40.00 0P  Additional numbers  5. Name and address to whom correspondence concerning document should be mailed:  Name:  Internal Address:	B. Patent No.(s)  attached? Yes No  6. Total number of applications and patents involved:  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged by credit card  Authorized to be charged to deposit account
A. Patent Application No.(s)  670H11 00000057 11054448  40.00 0P  Additional numbers  5. Name and address to whom correspondence concerning document should be mailed:  Name:	B. Patent No.(s)  attached? Yes No  6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed
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A. Patent Application No.(s)  6TON11 00000057 11054448  40.00 0P  Additional numbers  5. Name and address to whom correspondence concerning document should be mailed:  Name:  Internal Address:  Street Address: 901 Main Street, Suite 3100	B. Patent No.(s)  attached? Yes No  6. Total number of applications and patents involved:  7. Total fee (37 CFR 1.21(h) & 3.41) \$_40.00  Authorized to be charged by credit card  Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting a. Credit Card Last 4 Numbers
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A. Patent Application No.(s)  6TON11 0000057 11054448  40.00 0P  Additional numbers  5. Name and address to whom correspondence concerning document should be mailed:  Name:  Internal Address:  Street Address: 901 Main Street, Suite 3100  City: Dallas,  State: TX  Zip: 75202-3789	B. Patent No.(s)  attached? Yes No  6. Total number of applications and patents involved:  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged by credit card  Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting  8. Payment Information  a. Credit Card Last 4 Numbers  Expiration Date  b. Deposit Account Number 08-1394
A. Patent Application No.(s)  6TON11 0000057 11054448  40.00 0P  Additional numbers  5. Name and address to whom correspondence concerning document should be mailed:  Name:  Internal Address:  Street Address: 901 Main Street, Suite 3100  City: Dallas,  State: TX  Zip: 75202-3789  Phone Number: 972-739-863	B. Patent No.(s)  attached? Yes No  6. Total number of applications and patents involved:  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged by credit card  Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting a. Credit Card Last 4 Numbers  Expiration Date
A. Patent Application No.(s)  6TOH11 0000057 11054448  40.00 0P  Additional numbers  5. Name and address to whom correspondence concerning document should be mailed:  Name:  Internal Address:  Street Address: 901 Main Street, Suite 3100  City: Dallas,  State: TX Zip: 75202-3789  Phone Number: 972-739-863  Fax Number: 214-200-0853	B. Patent No.(s)  attached? Yes No  6. Total number of applications and patents involved:  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged by credit card  Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting  8. Payment Information  a. Credit Card Last 4 Numbers  Expiration Date  b. Deposit Account Number 08-1394

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R-98510.1

**PATENT** 

REEL: 016349 FRAME: 0250

Docket No.: 2003-1723/2004-0661 / 24061.219

Customer No. 42717

#### ASSIGNMENT

WHEREAS, I

Kuo-Chi Tu

of

No. 51, Lane 550, Sec. 1, Wufu Road Hsin Chu, Taiwan 300, R.O.C.

has invented certain improvements in

# METHOD OF MANUFACTURING A CAPACITOR AND A METAL GATE ON A SEMICONDUCTOR DEVICE

ior which i have e	executed an application for Letters Patent of the United States of America,
<u>X</u>	of even date filed herewith; and filed on and assigned application number; and
WHEREAS, I autinformation as dec	thorize the attorney of record to update this document to include Patent Office emed necessary (i.e., filing date, serial number, etc.):

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.

R-96843.1

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PATENT REEL: 016349 FRAME: 0251

Docket No.: 2003-1723/2004-0661 / 24061.219 Customer No. 42717

Inventor Name: Kuo-Chi Tu

Residence Address:

No. 51, Lane 550, Sec. 1, Wufu Road

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

Taiwan, R.O.C.

Dated: Jan 3/ 200)

Inventor Signature

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**RECORDED: 08/03/2005** 

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PATENT REEL: 016349 FRAME: 0252