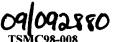
RM	PTO~1595		RE

06-16-1998

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





09/092880	. 100 1 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100
TSMC98-008 To the Honorable Commissioner of Patents and	100738451
1. Name of conveying party(ies):	Name and address of receiving party(ies)
YU-HUA LEE, CHENG-MING WU AND WEN-CHUAN CHIANG	Name: Taiwan Semiconductor Manufacturing Company
Additional name(s) or conveying party(ies) attached? 3. Nature or conveyance X Assignment Merger	Street Address: 121 Park Ave. 3 Science-Based Industrial Park City: Hsin-Chu Zip:
Security Agreement Change of other	Country Taiwan R O C
Execution Date: 5/6/98	Additional name(s) & address(es) attached? Yes X No
4. Application number(s) or patent number(s	
Name and address of party to whom corrections document should be mailed:	nal numbers attached? Yes X No respondence 6. Total no. of applications and patents involved:: 1
Name: GEORGE O. SAILE Internal Address:	7. Total fee (37 CFR 3 41) \$ 40.00
	Enclosed
Street Address: 20 MCINTOSH DRIV	E X Authorized to be charged to deposit acct.
City: POUGHKEEPSIE State: NY Z	1P: 12603 8 .Deposit account number: 19-0033 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE
9. Statement and signature. To the best of my knowledge and belief the of the original document GEORGE O. SAILE Name of Person Signing	The foregoing information is true and correct and any attached copy is a true copy Signature Date
1998 BMBUYEN 00000209 190033 09092880	Total number of pages comprising cover sheet: 3

For X U.S. and/or X Foreign Rights					
For X Application or U.S. Patent					
By X 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,					
ASSIGNOR:					
Type or print name of ASSIGNOR					
Address Chutung, Hsinchu, Taiwan Ming - Der Rd., Address Address Chutung, Hsinchu, Taiwan Min - Sian H. His - Chu, Taiwan					
Republic of China Republic of China Nationality					
CHENG - MIN 67 WL Type or print name of ASSIGNOR					
NO 23 Lane 130, Chyh-Kaan East Rd. Address					
Tzekuan, Kao-Hsiung, Taswen					
Republic of China					
ASSIGNEE:					
Taiwan Semiconductor Manufacturing Co. Ltd. 121 Park Ave. 3 Science-Based Industrial Park 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 (check the following box/f 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:					
A Process To Fabricate A Cylindrical, Capacitor Structure Under A Bit Line Structure For A Dynamic Random Access Memory Cell					

PATENT REEL: 9232 FRAME: 0840

U.S. patent application executed on even date herewith (a) U.S. patent application executed on (b) U.S. application serial no. ______ filed on _____ (C) U.S. patent no. _____issued ____ (d) (also check (e) if foreign application(s) is also being assigned) and any legal equivalent thereof in a foreign country, including the right to clam priority (e) 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

(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 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 No witnessing, notarization or legalizate or is necessary, if the assignment is notarized or legalized then it will only be prima facie evidence (35 USC

> PATENT REEL: 9232 FRAME: 0841

Notarization of Legalization Page Added

261). Use next page if notarization is desired.

and which is found in