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ied original documents or copy thereof.

1	Name of conveying party(ies):  CARLOS H. DIAZ YI-MING SHEU SYUN-MING JANG HUN-JAN TAO FU-LIANG YANG  <b>12.17.03</b>	2	Name and address of receiving party(ies):  Taiwan Semiconductor Manufacturing Co. Ltd. No. 6. Li-Hsin Rd. 6 Science-Based Industrial Park Hsin-Chu, Taiwan, R.O.C.  <b>22390 U.S. PTO 10/739476</b>
3	Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger  <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name  <input type="checkbox"/> Other: Execution Date: <u>October 8, 2003</u>	Additional name(s) & address(es) attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4 Application number(s) or patent number(s):  <b>10739476</b> If this document is being filed together with a new application, the execution date of the application is: <u>October 8, 2003</u>			
A. Patent Application No(s).		B. Patent No(s)	
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5	Name and address of party to whom correspondence concerning document should be mailed:  RANDY W. TUNG Tung & Associates 838 W. Long Lake Road Suite 120 Bloomfield Hills, Michigan 48302	6	Total number of applications and patents involved: <b>1</b>
		7	Total fee (37 CFR 3.41) <b>\$40.00</b>  <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> <b>Authorized to charge credit card (w/filing fee)</b>
		8	Deposit Account Number: 50-0484 (Attach duplicate copy of this page if paying by deposit account)

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9	Statement and signature.  <i>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.</i>  <u>Randy W. Tung</u> Name of Person Signing Registration No. 31,311   Signature  <u>12-17-03</u> Date	
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Total number of pages including cover sheet, attachments, and document : 3

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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PATENT  
REEL: 014821 FRAME: 0008

**ASSIGNMENT**

WHEREAS, we, CARLOS H. DIAZ, YI-MING SHEU, SYUN-MING JANG,  
HUN-JAN TAO and FU-LIANG YANG, have invented certain improvements in  
METHOD FOR FABRICATING A RECESSED CHANNEL FIELD  
EFFECT TRANSISTOR (FET) DEVICE

for which we are about to make application for Letters Patent of the United States; and

WHEREAS, TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD. of  
No. 6, Li-Hsin Rd. 6, Science-Based Industrial Park, Hsin-Chu, Taiwan, R.O.C, is desirous of  
acquiring the entire right, title and interest in and to said invention;

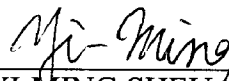
NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and  
valuable consideration, the receipt of which is hereby acknowledged, we, CARLOS H. DIAZ,  
YI-MING SHEU, SYUN-MING JANG, HUN-JAN TAO and FU-LIANG YANG, by these  
presents, do hereby sell, assign and transfer unto the said corporation and its assigns, for the  
territory of the United States of America and all foreign countries, the entire right, title and interest,  
including all priority rights under the International Convention associated with each country of the  
Union, in and to said invention as described in the patent application executed by us on the \_\_\_\_\_  
day of \_\_\_\_\_, 2003, preparatory to obtaining Letters Patent of the United States  
thereon, and in and to said application and any Letters Patent that may be granted in pursuance of  
said application and any divisional, continuation or continuation-in-part


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application thereof, and in and to any reissue of any such patent, and in and to any patent applications which may be filed on said invention in countries foreign to the United States and any Letters Patent granted thereon.


We further authorize said corporation to apply for foreign patents on said invention in its own name or through its designees, including subsidiaries, related companies or assignees, under the International Convention or otherwise, and we further agree to execute all papers, including those required for the United States and foreign applications, and to perform such other proper acts as said corporation or its designees the rights herein assigned.

 Oct-8-2003  
CARLOS H. DIAZ

 Oct-8-2003  
YI-MING SHEU

 10/8/2003  
SYUN-MING JANG

 10/8/2003  
HUN-JAN TAO

 Oct-8-2003  
FU-LIANG YANG

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